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U. S. DEPARTMENT OF AGRICULTURE  
★ MAY 18 1938  
U. S. Department of Agriculture

# The FLOWER GARDEN

1938



Tithonia  
Fireball



Cosmos  
Sensation



Calliopsis Golden Crown



Petunia Salmon Supreme

CARL GIESSLER · INC.

745 MADISON AVENUE

NEW YORK, N. Y.

# Your Lawn

A beautiful lawn is the ideal of every home owner. A little care in watering, cutting, and feeding will give the results you desire if good quality materials are used. Whenever the soil is dug, additional weed seeds are brought to the surface. When renovating your lawn, we suggest using a Spike Tamp to loosen the soil as recommended by the United States Department of Agriculture. We carry this tool in stock as do most dealers. It sells for \$4.50 and is a combination spiker and tamper. A thick turf will choke weeds and liberal sowing, feeding and watering will give a good, thick turf.

Feed your lawn liberally in the Spring and water thoroughly during dry spells. When watering, use a sprinkler and saturate the soil to a depth of at least 4 inches otherwise the roots will grow to the surface in search of the water you have given to the top of the ground. This, of course, will result in root burning during the hot, dry Summer. Do not cut the grass as short during the Summer as you do in the Spring. Ask your dealer how your lawn mower is adjusted to cut to various heights.

When starting a new lawn, consider the soil as a seed bed just as you would when planting a garden. Dig to a depth of at least 6 to 8 inches, incorporating a liberal amount of rotted manure if possible. Sow the seed liberally and roll with at least 300 lbs. weight. Cut as soon as there is enough grass to carry the lawn mower without sinking into the soil too deeply.

All formulae offered are the result of extensive experimentation under varied conditions. Only seed of high germination and vitality are used after being carefully cleaned to eliminate weed and chaff. An even blend is obtained by mixing seed by machine only.

We will be glad to answer your lawn problems if you will write, giving as many details as possible, also sending a soil sample.

## Ideal Lawn Formula

Quickly produces a permanent lawn of deep green lasting quality. The grasses in this mixture begin to mat into a turf carpet as soon as cutting begins. We recommend this formula for average soil in full sun or semi-shade. Only thoroughly cleaned seed is used, giving a mixture practically free of weed seed, inert matter, and chaff. Weight about 30 to 32 lbs. per bushel.

Lb. 75c.    5 lbs. \$3.00    25 lbs. \$13.00    100 lbs. \$48.00

## Shady Lawn Formula

A mixture especially prepared to produce a heavy matted, deep green turf on areas where there is very little direct sunlight or only filtered sun is present. Turf is established quickly and permanently but care must be taken to prevent shaded soils from becoming too acid. Applications of agricultural lime in the late Fall or early Spring will greatly aid turf development.

Lb. \$1.00    5 lbs. \$4.00    25 lbs. \$18.00    100 lbs. \$60.00

## Putting Green Mixture

A blend of bent grass and red top which gives a matted turf that will stand close cutting and an even textured smooth surface.

10 lbs. \$10.00

100 lbs. \$90.00

## Grass Seed Varieties

Germination and purity guaranteed on each lot.

**Blue Grass, Kentucky** (*Poa pratensis*). For lawns.  
Lb. 65c.    10 lbs. \$5.00    100 lbs. \$42.00  
**Blue Grass, Canada** (*Poa compressa*). For poor soils.  
Lb. 60c.    10 lbs. \$4.50    100 lbs. \$40.00  
**Bent, Colonial** (*Agrostis capillaris*). Excellent turf.  
Lb. \$1.50    10 lbs. \$12.00    100 lbs. \$100.00  
**Bent, Seaside** (*Agrostis maritima*). A true creeper.  
Lb. \$1.60    10 lbs. \$14.00    100 lbs. \$125.00  
**Fescue, New Zealand** (*F. rubra fallax*). Fine, needlelike turf.  
Lb. \$1.00    10 lbs. \$8.00    100 lbs. \$65.00  
**Red Top, Fancy Recleaned** (*Agrostis alba*). Lawns and pastures. Lb. 70c.    10 lbs. \$5.50    100 lbs. \$45.00  
**Rough Stalk Meadow** (*Poa trivialis*). Shady locations.  
Lb. \$1.00    10 lbs. \$8.00    100 lbs. \$65.00  
**Rye Grass, Domestic**. Nurse grass for lawns.  
Lb. 30c.    10 lbs. \$1.75    100 lbs. \$14.00

## Clovers

**White** (*Trifolium repens*). For lawns.

Lb. 75c.    10 lbs. \$6.50    100 lbs. \$56.00

**Crimson**. For a cover crop.

Lb. 50c.    10 lbs. \$3.00    100 lbs. \$20.00

**Sweet**. Tall white perennial. For cover crop.

10 lbs. \$3.50    100 lbs. \$28.00

## Hay and Pasture Mixtures

**No. 1**—For light soils.    25 lbs. \$12.00    100 lbs. \$38.00

**No. 2**—For medium soils.    25 lbs. \$13.00    100 lbs. \$40.00

**No. 3**—For heavy soils.    25 lbs. \$14.00    100 lbs. \$45.00

Use 75 to 100 lbs. per acre

**CARL GIESSLER, INC., 745 Madison Avenue, New York, N. Y.**

Prompt attention given orders by telephone—RHineland 4-3071



# Flower Seeds

The list which follows is comprised of the newer introductions as well as the old garden favorites.

The growing of flowers for a harvest of seed is an established industry, concentrated almost entirely in California and Northern Europe. Soil and climatic conditions affect the vitality of the seed produced. Therefore, California produces, among many other varieties, the best Zinnia and Snapdragon seed, while Holland, or Germany or France produce seed of better vitality in other varieties of flowers. Inasmuch as no seedsman who offers a general listing can possibly produce all of his own seed economically under such conditions, we offer you choice strains grown only from the best section and whenever possible, by a specialist in that particular variety. Although the purchase price of a packet of seeds is a small item of expense, considerable time and effort is necessary to bring your plants into bloom. Inferior strains will not really show until blooming time. It is too late then to save yourself disappointment. Therefore, we have conscientiously selected only the finest strain of each individual variety offered in this list.

For your convenience we have classified the seed list as follows—Annuals, Perennials, Greenhouse.

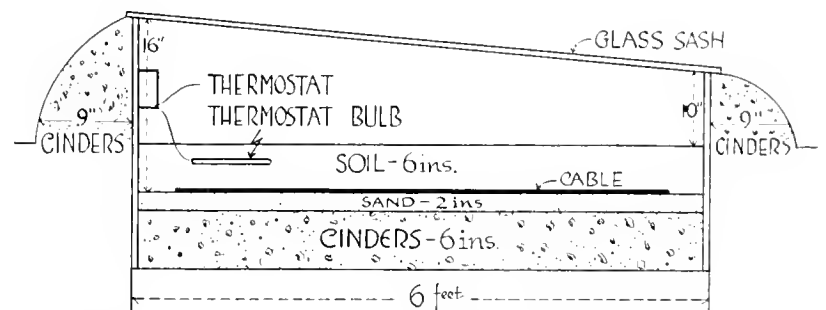
## HOTBEDS

A hotbed is simply a glass covered frame with some form of heat, furnished either by manure or electricity (see page 61 for Electric Heaters). In a climate where all frost danger is over by late April, hotbeds are started as early as February 15th.

Remove soil to a depth sufficient to allow for a layer of fresh horse manure 12 to 14 inches deep when it is well tamped down, and the addition of 4 or 5 inches of good garden soil or compost on top. The soil level in the bed should not be higher than the soil level outside. Bank the outside of the frame with leaves, soil, or manure to prevent drafts. Cover with sash and check soil temperature which may rise to over 100 deg. F. When temperature recedes to 90 deg. F., planting may begin. Cover sash with mats during very cold spells and raise during mild days after seeds have germinated and plants are growing.

## COLDFRAMES

Cultivate the soil thoroughly to a depth of at least 6 inches. Set the frame over this area, pressing the sides down firmly. Bank the outside slightly with soil to prevent drafts. March 15th to April 1st is the time to sow seed in the frame. Remember, do not use any fertilizer in the soil when seed is being started.



Never use any fertilizers in the soils used for starting seeds. Seed beds should be dug to a depth of at least 6 inches and then firmed down lightly with a board to fill air spaces so that when the seed is planted it will be entirely surrounded by soil. Fine seed should be sown on the surface and simply pressed into the soil. Larger seed should be covered slightly. A light covering of peat moss in addition will conserve soil moisture and prevent fine seed from washing out. Refer to our Garden Calendar on page 4 for time of sowing. For prices of coldframes, see page 61.

## GENERAL CULTURE OF ANNUALS

Annuals from seed produce plants which die out after flowering. They must be started new each year. Most annuals bloom profusely over a long period. It is of prime importance to remember that:

1. Seed should not be planted at too great a depth.
2. Keep the seed bed moist at all times.
3. Avoid sudden changes in temperature.

The term seed bed, applies whether seed is sown indoors, in a frame, or directly into the garden.

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Chrysanthemum Golden Crown



Cuphea Firefly



Michauxia Campanuloides Improved

# Outstanding Novelty

## Aquilegia Clematiflora

(Perennial)

Unique in that the blooms are spurless, closely resembling Clematis. A mixture containing many colors with blue and pink predominating. May and June. 2 ft. *Illustrated on page 24.*

Pkt. 50c.

## Chrysanthemum Golden Crown

(Annual)

The striking flowers are formed from finely quilled petals of bright golden yellow. Unusually free-flowering, this strain produces up to 50 full double blooms on each plant growing to a height of 2½ to 3 ft. Seed must be started very early. Pkt. 50c., 5 pkts. \$2.00.

## Ageratum Fairy Pink

(Annual)

Lovely soft salmon pink flowers borne in profusion on dwarf, compact plants growing only 6 in. high. An ideal edging plant. Flowers commence blooming when plants are still young.

Pkt. 35c., 3 pkts. \$1.00

## Begonia Multiflora fl. pl. Mrs. Helen Harms

(Annual)

Deep, canary yellow, fully double flowers 1½ in. in diameter carried on bushy little plants with long, narrow deep green foliage. This strain produces better than 90 per cent double blooms. The tubers formed by Fall, may be carried over Winter for planting the next Spring. Excellent for sun and semi-shade. Pkt. \$1.00.



Ageratum Fairy Pink

## Calliopsis Golden Crown

(Annual)

Rich orange yellow flowers, fully one-third larger than other annual Calliopsis varieties. The slight maroon-brown center marking makes an ideal contrast. The blooms are pleasantly fragrant and have 12 in. stems making this a fine plant for cutting and show in the garden. *Color illustration on front cover.*

Pkt. 35c., 3 pkts. \$1.00.

## Cosmos Sensation

(Annual)

We can now offer this superior strain in two separate colors. Individual flowers measure 3 to 5 in. across with wide fluted petals of fine substance. Very early blooming. *Color illustration on front cover.*

Pink,

White.

Pkt. 25c., 5 pkts. \$1.00.

## Cuphea Firefly

(Annual)

Small, delicately formed flowers of fiery cerise red are freely produced on compact plants 10 in. high. Excellent as a border or edging plant and for color all Summer in the rock garden. Bloom in 12 weeks from seeding.

Pkt. 35c., 3 pkts. \$1.00.

## Tithonia Speciosa Fireball

Tithonias are the finest of Fall-flowering annuals. Fireball has brilliant orange scarlet petals contrasting highly with the clear yellow centers. The plants grow 8 to 9 ft. high, blooming from the base to the very top of the plant. Individual blooms measure 4 to 5 in. across. Seed should be started early for best show. *Color illustration on front cover.* Pkt. 50c., 5 pkts. \$2.00.



Begonia Mrs. Helen Harms

CARL GIESSLER, INC.

# Seeds for 1938

## Hollyhock Annual Double Scarlet Beauty

Pure, intense scarlet blooms looking exactly like the perennial type. Seed should be started in the hotbed or frame early in the Spring. Plants will Winter over wherever perennial varieties will.

Pkt. 35c., 3 pkts. \$1.00.

## Russell Lupins (Perennial)

The highest possible R. H. S. award, the Gold Medal, was never more richly deserved than when won by this strain in June, 1937. It is the outstanding plant, being offered from seed in 1938. You will be thrilled with the marvelous colorings and rich exotic blendings in scores of shades and colors. Other outstanding features are the length and symmetry of the spikes, the bold, closely placed florets, the wide, fanlike back standards and large keels, and the fact that the spikes hold their florets from top to bottom during development. Added to all these outstanding points is the fact that 3 per cent will come in a dwarf strain. When these dwarfs are fixed, Lupins will replace Delphiniums for popularity in this country. Never plant Lupins in newly manured ground and only transplant Lupins in the Spring. Seed offered in mixed colors. Pkt. \$1.00, 6 pkts. for \$5.00. *Originator's stock. Color illustration on back cover.*

## Michauxia Campanuloides Improved

The waxy white flowers greatly resembling the climbing Lily Gloriosa Superba, are borne in great profusion not only from the ends of the branches but also from the axils of the stems. A hardy biennial growing 5-6 ft.

Pkt. 35c., 3 pkts. \$1.00.



Petunia Salmon Supreme

## Nasturtium Dwarf Double Gem

Undoubtedly the finest strain of dwarf, semi-double, sweet-scented Nasturtiums. The perfectly ball-shaped plants grow less than 12 in. high, produce flowers on long stems appearing well above the foliage, and do not produce any runners. Fine for cutting edging, and to give all Summer color in the rockery. We offer three new colors.

**Salmon Gem, Orange Gem, Scarlet Gem.** Pkt. 25c., oz. 75c., 1/4 lb. \$2.50.

## Petunia Salmon Supreme

Rich coral salmon flowers changing to soft salmon pink as they mature. Blooms are 2 in. across carried on freely branching, floriferous plants. Dwarf and compact. Pkt. 35c., 3 pkts. \$1.00. *Color illustration on front cover.*

## Petunia Burgundy

Deep Burgundy red, slightly waved petals carried in great profusion on vigorous spreading plants. The white throat is a high contrast and makes this a very interesting and necessary color addition. Pkt. 50c., 5 pkts. \$2.00.

## Salvia Blaze of Fire

Bright dazzling scarlet flowers freely produced some two weeks earlier than other varieties. The habit is dwarf, growing 14 to 16 in. high. *Illustrated on page 18.* Pkt. 50c., 5 pkts. \$2.00.

## Scabiosa Salmon Beauty

Very large flowers of pure salmon on vigorous plants add a much needed color to this popular flower. Scabiosa is one of the most easily grown annuals in the garden. Pkt. 35c., 3 pkts. \$1.00.



Nasturtium Dwarf Double Gem



Hollyhock Double Scarlet Beauty



Scabiosa Salmon Beauty

# The Garden Calendar

## JANUARY

Look over your stock of garden implements, and if you have not already done so, clean them thoroughly and wipe with a cloth saturated with a good grade of oil. This will help prevent rusting. Carefully look over any root stocks which are stored away for the Winter. If the Dahlia tubers begin to look shriveled, add a slight amount of moisture. Also carefully check your Montbretias, as they should never be allowed to dry out over Winter in storage. If the Gladioli corms show any signs of being eaten by thrips, treat at once with naphthalene flakes. We will be glad to give more explicit directions for this treatment upon request.

**Greenhouse**—Show seeds of Stocks, Verbena, Begonia, Heliotrope, Petunia, Vinca, Lobelia, Snapdragon, and Carnation for early Summer bloom.

## FEBRUARY

All seed recommended in January may still be started this month. Get ready to start your hotbed. See that there are no broken panes in the sash, so that by the middle of the month operations may be started with seed which must be started early. Be sure that you have enough mats on hand so that the hotbed sash may be covered during severe cold snaps. Prune all small fruits, such as Raspberries, Currants, etc., and if possible, all fruit trees.

Seed sown in January in flats or pots may have produced plants which are crowded by late February. These should be pricked off into flats or potted in 2s or 2¼s.

**Greenhouse or Hotbed**—Sow seed of Salvia, Dahlia, Statice, Torenia, and Delphinium chinensis varieties. Iceland Poppies sown now will bloom in about five months, but should be sown in pots, (paper pots will do), as they dislike being transplanted. Be sure to do all watering before noon and on sunny days. We cannot too highly recommend the using of soil which has been sterilized. It is very simple and inexpensive to sterilize the soil yourself with the up-to-date formaldehyde preparations such as Formacide.

## MARCH

This is the month that seed may be started in the coldframe. Wait until the rays of the sun feel warm, but see that the sash is in good condition so that seed may be sown as soon as the weather permits (about the third week). Again we strongly recommend the use of sterilized soil. We will gladly give complete directions as to how you may sterilize your own soil quickly and thoroughly as any you may buy. All pruning should be done by the middle of the month *except* those shrubs which bloom in the early Spring, such as climbing Roses, Forsythia, etc. Be sure your garden Roses are thoroughly pruned. Most of the present day varieties should be cut to 3 to 5 eyes and all weak or dead wood should be cut away. Spray all fruits with lime sulphur or Scalecide to kill scale and other insects or eggs carried over Winter on the bark. Complete and approved spraying charts will be sent upon request.

Late March and early April is a good time for renovating your lawn. Re-seed, fertilize, and roll the lawn as soon as freezing temperatures are past.

**Coldframes**—(See page 1 for directions.) Sow seed of all annuals from which you want early Summer bloom, also those which require a long growing season. Exception must be taken to those varieties which cannot be transplanted. Do all watering on bright days and only before noon.

**Outdoors**—If your soil is sour, now is the time to apply lime. Three weeks must elapse after application before any seed or plants may be put into soil treated with hydrated lime. Clay and sand soils are benefited by adding peat moss, humus, or leafmold,

and this may be done as well as putting on a general application of chemical fertilizer or well rotted manure. Note that manure and lime should never be applied at the same time. Lime first and then three weeks later apply the manure.

During the last week of March or even the first or second week of April, sow the following seeds: Larkspur, Poppy, Cornflower, Candytuft, Cynoglossum, Calliopsis, Dianthus, Eschscholtzia, Virginian-stock, Nigella and Sweet Pea.

## APRIL

Keep a watchful eye on the hotbeds and coldframes, raising the sash slightly to give air on mild days. Garden enthusiasts having greenhouses will appreciate the convenience of having a deep frame into which the young plants started indoors may be hardened off. This will allow more bench space for specimen plants in the greenhouse. These deep frames may also be used for overwintering half hardy plants.

**Coldframes**—Sow seed of all annuals where mid-season bloom is desired, also for slow maturing varieties.

**Outdoors**—Remove all material from your beds and shrubs, used as winter protection. Spade, rake, and generally prepare the garden to receive the seed and seedling plants ready May 1st. Plant Roses, perennial plants and all nursery stock this month. Pansy plants, Bellis, and Forget-me-nots may be set out in beds the latter part of this month. Montbretias should be planted in the garden about the middle of the month. All seed mentioned under March for outdoor planting may be sown outdoors during this month.

## MAY

Check your stock of garden spraying materials. Also see that spraying and dusting machines are in good working condition. Insects and diseases appear this month. Ask us about any material which you feel may have deteriorated.

All annual seed may be sown now in the open ground. All annual plants started earlier in the season may be set out. When transplanting, be sure to make the hole large enough to receive the roots without causing them to turn up towards the top of the soil. When watering the garden from now on through the Summer, water deeply and not too often. Moisture which does not penetrate deeply will cause the roots to grow to the top of the soil where they may be burned by the hot Summer sun. As soon as your plants start growing, apply a small quantity of fertilizer around each plant, using care that none falls on the leaves. Water well after fertilizing to insure even distribution and to wash off any fertilizer which may have fallen on the plant itself. An abundance of water and a liberal amount of fertilizer will add to the length of bloom on your early flowering shrubs and vines. Gladioli and Dahlias may be planted now. For other Summer flowering bulbs, see page 50.

## JUNE

Sow seed of all perennials and biennials now before the hot dry weather sets in next month. If you can spare the room, setting aside a small space and sowing all seeds where they can be watched and watered together will produce the best results. All seed should be covered very lightly with soil. Very fine seed should just be pressed into the ground. A light covering of peat moss will prevent washing out of seed and greatly aid in conserving soil moisture. A few dollars worth of seed will give several hundred dollars worth of plants. We have refrained from offering seed of perennials best grown from cuttings or division. Water the garden when it needs it but avoid overwatering. Breaking up the top of the soil to form a mulch is very beneficial. Pull out the weeds before they harm your plants. Guard your Roses and Delphinium against blackspot or mildew by dusting with sulphur or Pomogreen.

# The Garden Calendar

## JULY

Weed, cultivate, and water frequently. Use care in applying fertilizers in hot weather. Spray when necessary for insects and diseases. We will be glad to help with all your garden problems, just write to us.

## AUGUST

This is the ideal month for transplanting evergreens. Cut a circle around the plant two or three weeks before transplanting. This allows the cut roots to callous over in the ground. Water the needles as well as the ground after transplanting. Your lawn will need frequent watering during this month. A sprinkler attached to the hose is much more efficient than watering with a hose nozzle. Again let us caution you against shallow watering with the resulting burning of feeder roots. Plant your seed of Pansy and Forget-me-nots now for next year's bloom. Plant your Madonna Lilies this month so they will make their Fall growth. When planting, be sure the bulbs are not covered more than two inches. Order your Fall bulbs now, as some varieties, as Narcissi, benefit by early planting. Pot grown Strawberry plants should be set out for a crop next year.

## SEPTEMBER

Now is the time to divide and transplant Peonies. Peonies are seldom subject to attack by insects or diseases and will give an abundance of flowers in the garden. Full cultural directions on request. September and October are the Fall months for moving perennial plants. The earlier this is done, the better established will be the plants for wintering over. Narcissi bulbs should be planted as they start an early Fall growth. Pot up Hyacinths, Tulips, and other Dutch bulbs for greenhouse forcing; also *Lilium harrisii* (Bermuda Easter Lily). Pot up all garden plants that may be grown on under glass. These may be

brought in at the first sign of frost. Sow grass seed now for best results in establishing a healthy lawn. It is also the best time for sowing grass seed for renovating lawns, scratch up all thin spots before sowing. Order your Roses now for delivery next month. This will save disappointment, as some varieties sell out rapidly when planting season is here.

## OCTOBER

Lift your Gladioli when the leaves turn brown. Cut off leaves and stem and burn them to prevent any thrip from getting down into the corms. Montbretia corms should be lifted and stored in peat moss, soil, or humus and never allowed to become dry. Dahlia tubers may be lifted and stored in peat moss or soil over Winter. All Spring blooming bulbs should be in the ground by the end of the month. We will gladly forward our Fall catalogue upon request. This is your last chance to plant perennial plants until Spring. In the Fall the nurseries are well stocked and orders receive the best attention.

## NOVEMBER

After the ground is well frozen, protect the less hardy perennial plants with salt hay or leaves. Apply enough so that the sun's rays will not penetrate to the soil. Salt hay allows for free ventilation, which prevents molds and rotting at the crown of the plants. Boxwood, Rhododendron and other evergreens are damaged by Winter winds and should be enclosed with burlap if they are in an exposed spot.

## DECEMBER

Carefully inspect the bulbs you have stored for Winter. If the Dahlias show signs of drying, add a little moisture. Lining the baskets, boxes or barrels with newspaper will help to maintain a more even temperature and better moisture conditions.

## Annuals for Special Locations

### Annuals for Cut Flowers

Anchusa	Cosmos	Nasturtium
Antirrhinum	Dianthus	Nemesia
Arctotis	Didiscus	Nigella
Aster	Gaillardia	Petunia
Calendula	Globe-amaranth	Phlox
Calliopsis		Salpiglossis
Candytuft	Gypsophila	Scabiosa
Carnation	Helianthus	Schizanthus
Centaurea	Helichrysum	Stocks
Chrysanthemum	Hunnemannia	Sweet Peas
Clarkia	Larkspur	Verbena
	Marigold	Zinnia
	Mignonette	

### Annuals for Semi-Shade

Anchusa	Impatiens	Salpiglossis
Aster	Lupin	Schizanthus
Cornflower	Myosotis	Snapdragon
Clarkia	Nemophila	Sweet Alyssum
Godetia	Pansy	Torenia

### Annuals for Slightly Moist Soil

Amaranthus	Marvel of Peru	Nigella
Calendula		Phlox
Larkspur	Mignonette	Ricinus
Marigold	Myosotis	Schizanthus

### Annuals for Dry Soil

Arctotis	Dimorphothea	Petunia
Alyssum		Portulaca
Ageratum	Euphorbia	Scabiosa
Calliopsis	Gaillardia	Statice
Candytuft	Helianthus	Tithonia
Centaurea	Marigold	Verbena
Cosmos	Mesembryanthemum	Vinca
Cynoglossum		Zinnia
Dianthus	Nigella	

### Annuals for Poor Soil

Alyssum	Godetia	Statice
Antirrhinum	Kochia	Ursinia
Celosia	Mesembryanthemum	Verbena
Clarkia		Venidium
Cosmos	Nasturtium	Zinnia
Euphorbia	Portulaca	

### Annuals for Dwarf Edging

Ageratum	Nemesia	Tagetes
Alyssum	Nemophila	signata
Lobelia	Pansy	Virginian-
Myosotis	Portulaca	stock
Nasturtium		Zinnia (Dwarf)

### Annuals for the Back Ground

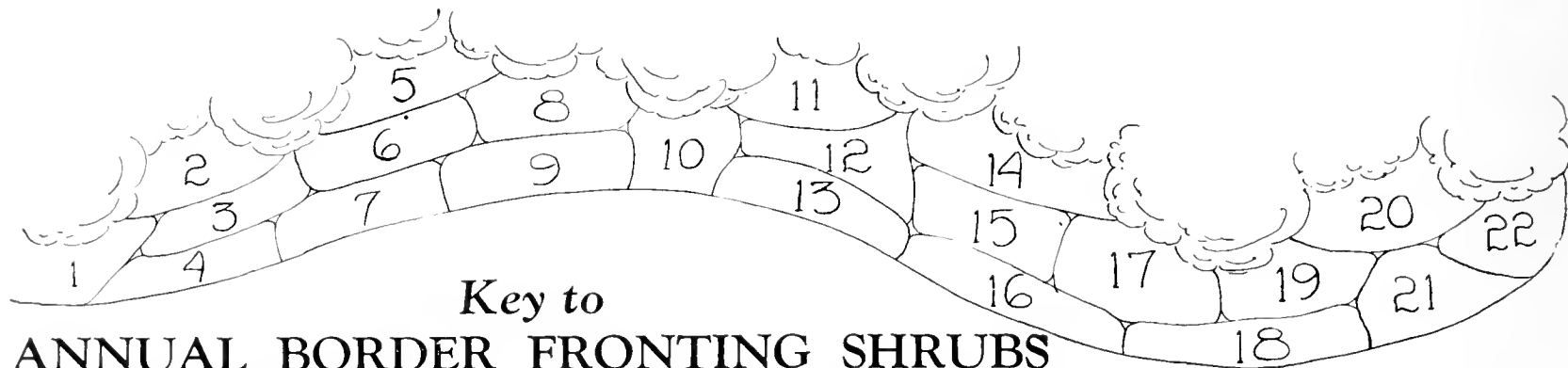
Arctotis	Helianthus	Tithonia
Cosmos	Larkspur	Zinnia (Great
Dahlias (Dec.)	Marigold	Dahlia type)

### Fragrant Annuals

Alyssum	Heliotrope	Scabiosa
Ageratum	Matthiola	Stocks
Candytuft	Mignonette	Sweet Peas
Carnation	Nasturtium	Virginian-
Centaurea	Nicotiana	stock
imperialis	Petunia	Wallflower
Dianthus	Pansy	

### Rapid Growing Annual Vines

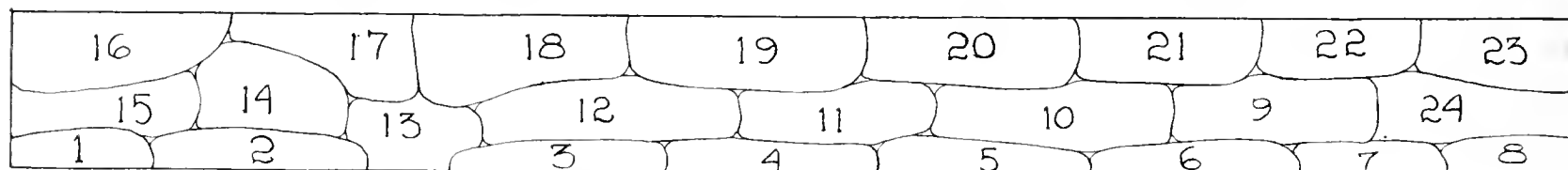
Balloonvine	Dolichos	Nasturtium
Canary Bird Vine	Gourds	Scarlet Runner
Cardinal Climber	Humulus (Hop Vine)	Beans
Cobaea scandens	Moonflower	Sweet Pea
	Morning-glory	Wild Cucum-
	Mina lobata	ber



## Key to ANNUAL BORDER FRONTING SHRUBS

- |   |   |  |
|---|---|--|
| 1-Calliopsis drummondii.....1 pkt.            | 9-Petunia, Bedding, Violaacea.....1 pkt.        | 16-Verbena, Large-flowering Mixed.....2 pkts     |
| 2-Nicotiana, Crimson Bedder.....1 pkt.        | 10-Salpiglossis, Large-flowering Mixed...1 pkt. | 17-Marigold, Yellow Supreme.....1 pkt.           |
| 3-Chrysanthemum, Annual. White....1 pkt.      | 11-Zinnia, Dahlia-flowered, Oriole.....1 pkt.   | 18-Phlox drummondii. Chamois rose....1 pkt.      |
| 4-Eschscholtzia, Golden West.....1 pkt.       | 12-Lupin, King Blue.....2 pkts.                 | drummondii. White.....1 pkt.                     |
| 5-Larkspur, Giant Imperial. Blue spire.1 pkt. | 13-Nasturtium, Gleam Hybrids.....1 oz.          | 19-Poppy, Single Shirley.....1 pkt.              |
| 6-Scabiosa, Peach Blossom.....1 pkt.          | 14-Cosmos, Single Early Mixed.....1 pkt.        | 20-Larkspur, Giant Imperial. Lilac spire.2 pkts. |
| 7-Torenia fourrieri.....1 pkt.                | 15-Scabiosa. Deep maroon.....1 pkt.             | 21-Cornflower, Jubilee Gem.....2 pkts.           |
| 8-Zinnia, Lilliput. Salmon rose.....1 pkt.    | Sulphur yellow.....1 pkt.                       | 22-Marigold, French Harmony.....1 pkt.           |
| Lilliput. White.....1 pkt.                    |   |  |

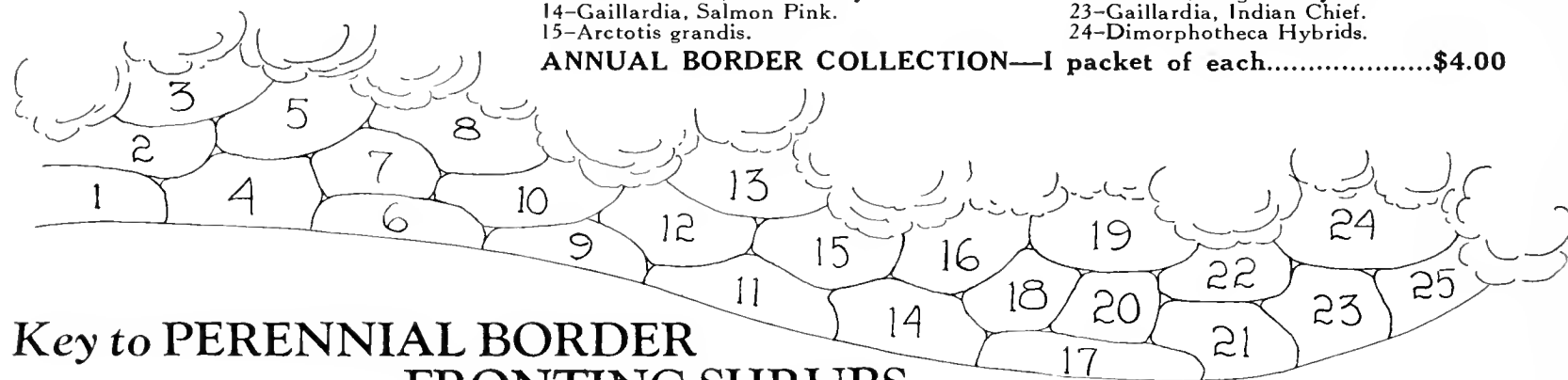
**ANNUAL BORDER FRONTING SHRUBS COLLECTION.....\$6.00**



## Key to ANNUAL BORDER 50 feet by 5 feet

- |                                  |   |   |
|----------------------------------|---|---|
| 1-Phlox drummondii, Isabellina.  | 7-Calendula, Lemon Queen.               | 16-Helianthus. Dwarf red.                 |
| 2-Ageratum, Blue Ball.           | 8-Anchusa, Blue Bird.                   | 17-Cosmos, Single-Early-flowering. White. |
| 3-Verbena, Large-flowering Pink. | 9-Centaurea cyanus, Double Blue.        | 18-Larkspur, Giant Imperial. Blue spire.  |
| 4-Candytuft. White.              | 10-Zinnia, Giant Double. Golden yellow. | 19-Zinnia, Giant Double. Golden yellow.   |
| 5-Petunia, Bedding Violaacea.    | 11-Scabiosa, Mixed.                     | 20-Nicotiana affinis Hybrids.             |
| 6-Phlox. Chamois-rose.           | 12-Marigold, Yellow Supreme.            | 21-Larkspur, Giant Imperial. White spire. |
|                                  | 13-Eschscholtzia, Ramona Hybrids.       | 22-Cosmos, Single Early Pink.             |
|                                  | 14-Gaillardia, Salmon Pink.             | 23-Gaillardia, Indian Chief.              |
|                                  | 15-Arctotis grandis.                    | 24-Dimorphotheca Hybrids.                 |

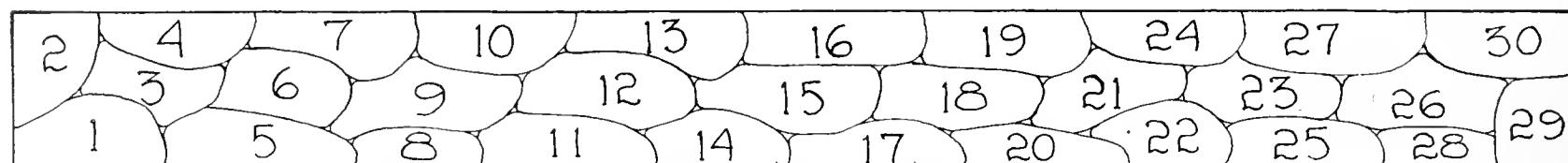
**ANNUAL BORDER COLLECTION—I packet of each.....\$4.00**



## Key to PERENNIAL BORDER FRONTING SHRUBS

- |                                |  |                                 |                                    |
|--------------------------------|--|---------------------------------|------------------------------------|
| 1-Poppy nudicaule. Yellow.     | 8-Liatris spicata.                     | 14-Iceland Poppy, Aureum.       | 20-Shasta Daisy, Single.           |
| 2-Delphinium chinense. Blue.   | 9-Veronica incana.                     | 15-Campanula persicifolia alba. | 21-Sweet-william, Newport Pink.    |
| 3-Hollyhock, Double Rose.      | 10-Digitalis gloxinoides, The Shirley. | 16-Eupatorium coelestinum.      | 22-Anchusa italica, Feltham Pride. |
| 4-Achillea millefolium rubrum. | 11-Aster alpinus superbus.             | 17-Iberis gibraltarica.         | 23-Pyrethrum roseum hybridum.      |
| 5-Salvia farinacea.            | 12-Aquilegia, Sulphur Queen.           | 18-Centaurea montana.           | 24-Hollyhocks, Double. Maroon.     |
| 6-Arabis alpina.               | 13-Delphinium, Wrexham. Deep blue.     | 19-Hibiscus grandiflora.        | 25-Linum, Heavenly Blue.           |
| 7-Coreopsis, Mayfield Giant.   |  |                                 |                                    |

**PERENNIAL BORDER FRONTING SHRUBS COLLECTION—I packet of each.....\$6.50**



## Key to HARDY BORDER 50 feet by 5 feet

- |  |   |   |
|--|---|---|
| 1-Iberis sempervirens.                   | 11-Pyrethrum roseum hybridum.                   | 21-Aquilegia, Long-spurred Hybrids.     |
| 2-Scabiosa caucasica, Giant Hybrids.     | 12-Gypsophila paniculata florepleno.            | 22-Veronica longifolia.                 |
| 3-Coreopsis, Mayfield Giants.            | 13-Digitalis Isabellina.                        | 23-Oriental Poppy, Queen Alexandra.     |
| 4-Lupin polyphyllus. Rose.               | 14-Heuchera sanguinea splendens.                | 24-Delphinium, Wrexham. Midblue shades. |
| 5-Sweet-william, Newport Pink.           | 15-Shasta Daisy, Single.                        | 25-Platycodon grandiflora. Blue.        |
| 6-Campanula persicifolia, Telham Beauty. | 16-Delphinium, Gold Medal Hybrids.              | 26-Aster subcaeruleus.                  |
| 7-Hollyhock. Double yellow.              | 17-Carnation, Dbl. Hardy Border. Salmon shades. | 27-Hollyhock, Double, Newport Pink.     |
| 8-Primula vulgaris.                      | 18-Anchusa italica, Feltham Pride.              | 28-Geum, Lady Stratheden.               |
| 9-Aquilegia, Wild Rose.                  | 19-Thalictrum aquilegifolium.                   | 29-Stokesia cyanea. Blue.               |
| 10-Delphinium Bellamosa.                 | 20-Doronicum caucasicum.                        | 30-Gaillardia maxima aurea.             |

**HARDY BORDER COLLECTION—I packet of each.....\$8.25**



Alyssum



Antirrhinum Indian Summer



Ageratum

# Annual Flower Seeds

## Antirrhinum

### *Rust-resistant Snapdragons*

Plant in masses in full sun or semi-shade. Rich soil preferred.

**Maximum.** 3 ft. tall.

**Alaska.** Pure white; long spikes.

**Appleblossom.** Large, soft pink flowers on long spikes.

**Canary Bird.** Clear canary yellow, very vigorous.

**Copper King.** Bright copper bronze.

**Crimson.** Deep rich crimson; tall stems.

**Fair Lady.** Silver pink with small spot of yellow on lip.

**Indian Summer.** Rich velvety copper scarlet.

**Loveliness.** Soft rose pink.

**Mixed Colors.** Contains all the Snapdragon colors. Base branching with long spikes.

### *Collection:*

**One each of above 8 varieties, \$1.75**

Any variety listed above,  
pkt. 25c.,  $\frac{1}{8}$  oz. 75c.

**Medium Tall.** 2 ft.

**Buttercup.** Deep canary yellow shading to cream yellow.

**Daintiness.** Soft rose pink. Exceptionally large flowers.

**Defiance.** Bright velvet scarlet red; lip spotted yellow.

**Mixed Colors.** Containing all Snapdragon colors; large flowers.

Any of above Medium Tall Varieties,  
pkt. 20c.,  $\frac{1}{8}$  oz. 50c.

## Ageratum

For continuous bloom, keep faded flowers picked off. Start seed early for all Summer bloom.

**Fairy Pink.** Lovely soft salmon pink flowers borne in profusion on dwarf, compact plants growing only 6 in. high. An ideal edging plant. Flowers commence blooming when plants are still young. Pkt. 35c., 3 pkts. \$1.00.

**Blue Ball.** 4 in. Compact plants. Deep blue flowers. Pkt. 25c.,  $\frac{1}{8}$  oz. 75c.

**Blue Ball Improved.** 4 in. Very uniform plants with broad green foliage, smothered with rich blue flowers. Pkt. 35c., 3 pkts. \$1.00.

**Blue Perfection.** 18 in. Large medium blue flowers. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

## Alyssum

**Benthami.** 1 ft. Very sweet-scented, white. Pkt. 10c., oz. 50c.

**Little Gem.** 6 in. White. Used for borders and edging. Pkt. 15c.,  $\frac{1}{4}$  oz. 30c., oz. \$1.00.

**Carpet of Snow.** 3 in. Very uniform in growth. Dwarfest of all varieties. Pkt. 15c.,  $\frac{1}{4}$  oz. 35c., oz. \$1.25.

**Lilac Queen.** 6 in. Deep lilac, very compact. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.25.

## Amaranthus

Need a hot, dry location and not too rich a soil.

**Caudatus** (Love-lies-bleeding). Red. Pkt. 10c.,  $\frac{1}{4}$  oz. 35c.

**Salicifolius** (Fountain Plant). Long, narrow bronze leaves. Pkt. 25c.,  $\frac{1}{4}$  oz. 50c.

## Anagallis

Good material for annual ground cover and to fill in empty spots in the border and rock garden.

**Grandiflora Blue.** 8 in. Deep blue flowers on low spreading plants. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

## Anchusa

Good for cutting and showy in the garden. Full sun.

**Bluebird.** Indigo blue flowers on compact plants. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

## Arctotis

### *African Daisy*

Blooms continuously until frost in full sun.

**Grandis.** Upper side of petals white, reverse side lilac blue. Steel blue center. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Hybrids.** Red and orange shades. Pkt. 35c., 3 pkts. \$1.00.

## Asters

### FOR SUMMER AND FALL BLOOMING

Plant some early, midseason, and late varieties for an abundance of bloom. If you have had trouble with plants wilting we recommend only the **Wilt-resistant** strains (look for the mark W.R.). A rich, deeply dug soil in a sunny location is required. Never allow the plants to become checked from lack of moisture or overcrowding.

**AMERICAN BEAUTY**—W.R. 30 in.

A late blooming, very double variety, bearing large flowers on long, stiff stems.

<b>Azure Fairy</b>	<b>September Pink</b>
<b>Purple</b>	<b>Deep Rose</b>
<b>Crimson</b>	<b>Mixed Colors</b>

#### Collection:

**One each above five colors, \$1.00**  
Separately, pkt. 25c.

**VICTORIA**—1 ft.

Late blooming. Good for bedding.

<b>Dark Scarlet</b>	<b>White</b>
<b>Rose</b>	<b>Light Blue</b>
<b>Daybreak Pink</b>	

#### Collection:

**One each of above five colors, \$1.00**  
Pkt. 25c.

### IMPROVED

**GIANTS OF CALIFORNIA**—30 in.

Late, midseason. Large flowers with petals curled and interlaced. Ideal for show and cutting.

<b>Deep Rose</b>	<b>Light Purple</b>
<b>Dark Purple, W.R.</b>	<b>Light Blue</b>
<b>Peach Blossom</b>	<b>White</b>

#### Collection:

**One each above six colors, \$1.25**  
Separately, pkt. 25c.

**INVINCIBLE BRANCHING**—W.R.  
30 in.

Late blooming. Well formed double flowers on long stems.

<b>Azure Blue</b>	<b>Flesh Pink</b>
<b>Crimson</b>	<b>White</b>
<b>Purple</b>	<b>Mixed Colors</b>

#### Collection:

**One each above five colors, \$1.00**  
Separately, pkt. 25c.

**GIANT CALIFORNIA SUNSHINE**

Midseason blooming. Flowers measure 4 to 5 inches across and have a single row of loosely placed outer petals with a quilled center.

<b>Enchantress Pink</b>	<b>Purple</b>
<b>Rose</b>	<b>White</b>
<b>Light Blue</b>	<b>Mixed Colors</b>

#### Collection:

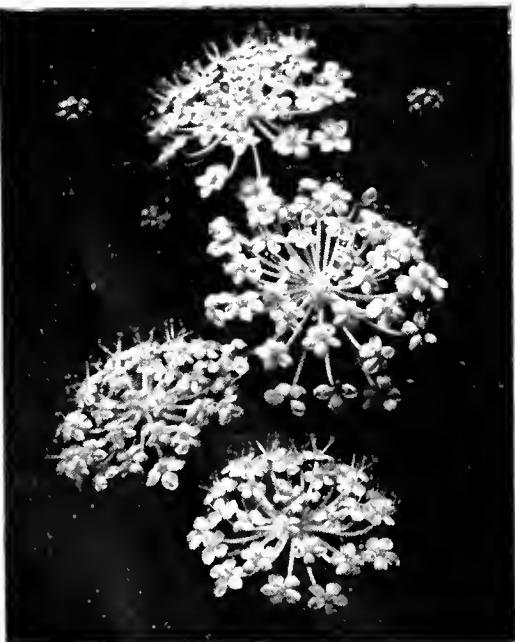
**One each above five colors, \$1.00**  
Separately, pkt. 25c.



Aster Giants of California



Aster Giant California Sunshine



Didiscus

## Asters—Continued

**EXTRA EARLY EXPRESS**—2½ ft.

The earliest to bloom. Large, full comet type flowers.

<b>Crimson</b>	<b>Dark Blue</b>
<b>White</b>	<b>Light Blue</b>

#### Collection:

**One each above four colors, 75c.**  
Separately, pkt. 25c.

**SINGLE, or CHINESE**—W.R. 2 ft.

Early blooming Aster with flowers not unlike large Gerberas.

<b>Dark Blue</b>	<b>Lavender</b>
<b>Dark Scarlet</b>	<b>White</b>

#### Collection:

**One each above four colors, 75c.**  
Separately, pkt. 25c.

## Balsam

**Double Camellia-flowered.** Do well in sun or shade. Flowers appear between the leaf and plant stem.

<b>White</b>	<b>Scarlet</b>
<b>Salmon Rose</b>	<b>Mixed</b>

Pkt. 15c., ¼ oz. 50c.

**Double Bush-flowered Torch.** The vermilion-red flowers are carried on the tips of the stems on plants 8 to 10 inches high. Pkt. 25c., ⅛ oz. \$1.50.

## Begonia

Very effective in solid beds, ribbon borders, or for edging. The plants are almost entirely smothered with blooms. Seed should be started early. For June planting, sow seed in February.

**Multiflora fl. pl. Mrs. Helen Harms.**

Deep canary yellow with fully double flowers. Tuberous rooted. Pkt. \$1.00.

**Semperflorens, Christmas Cheer.**

Crimson scarlet. Better than Vernon. Pkt. 50c.

**Gracilis comp., Tausendschoen.**

Lustrous, clear deep rose. Pkt. 50c., 5 pkts. \$2.00.

**Gracilis luminosa compacta.** Scarlet. Plants dwarf. Pkt. 50c.

## Blue Laceflower

Best results are obtained if not transplanted. Plants grow about 2 feet high and bear large, lacelike, azure blue flowers. Full sun. Pkt. 25c., ¼ oz. 75c.

## Browallia

Dwarf plants with fine foliage and covered with flowers. Ideal for borders and pots. Long blooming period.

**Speciosa major.** Large deep blue. Pkt. 75c.

**Viscosa Sapphire.** Dark blue with white eye; very compact. Pkt. 50c.

## Canary Bird Vine

Sulphur yellow flowers with a green spur. The shape resembles a canary bird. Vines 8 to 10 feet. Pkt. 15c.

## Calendula

Blooms quickly from seed and continues until frost. Will withstand hot, dry locations. Sow early in the frame or directly in the garden. Keep faded flowers picked for continuous bloom.

**Sunshine (Chrysantha).** Large clear buttercup yellow flowers with incurved, Chrysanthemumlike petals. Flowers are not coarse. Pkt. 20c., 1/4 oz. 50c.

**Orange Sunshine.** Identical in habit to C. chrysantha, with bright orange flowers. Pkt. 35c., 1/4 oz. 75c.

**Campfire.** Flowers are very large and flat. Brilliant orange with a scarlet sheen. Pkt. 20c., 1/4 oz. 50c.

**Lemon Queen.** Pale yellow. Pkt. 15c., 1/4 oz. 30c., oz. 75c.

**Orange King. Special Strain.** Rich deep orange red with dark center. Pkt. 15c., 1/4 oz. 30c., oz. 75c.

**The Ball.** Deep orange with light center. Good forcing strain. Pkt. 20c., 1/4 oz. 50c., oz. \$1.25.

## Calliopsis

Sow right into the places where they are to bloom.

**Golden Crown.** Rich orange yellow flowers with maroon-brown center; fully one-third larger than other varieties. Fine for cutting. Fragrant. Pkt. 35c., 3 pkts. \$1.00.

**Radiant Star.** Dwarf. Copper red with red and yellow tips.

**Golden Ray.** Dwarf. Chestnut brown tipped golden yellow.

**Star of Fire.** Dwarf. Deep reddish brown.

**Atrosanguinea.** Dwarf. Deep chestnut crimson.

**Drummond.** Dwarf. Golden yellow with dull red center.

**Collection:** One each above five dwarf varieties, 75c.

Any of above dwarf varieties, pkt. 20c.

**Dwarf Mixture.** Well balanced. Pkt. 15c., 1/4 oz. 50c.

**Tall Mixture.** Best for background and cutting. Pkt. 15c., 1/4 oz. 35c.

## Candytuft

Ideal for edging, rock work, or as a mass cover under Gladioli or other upright plants. Blooms very quickly. Sow directly into the garden.

**Empress White** **Lavender**  
**Flesh Pink** **Carmine**  
**Rose** **Formula Mixture**

Any of above:

Pkt. 15c., 1/4 oz. 30c., oz. \$1.00

**Hyacinth-flowered White.** Large flower trusses as seen on Hyacinths. Pkt. 15c., 1/4 oz. 50c., oz. \$1.50.

## Cardinal Climber

Bright red Morning-glorylike flowers on vines, 10 to 20 feet long. Sow outside in early Spring. Pkt. 25c., 1/4 oz. 75c.

## Carnations

Some garden strains produce flowers the size of greenhouse varieties. It takes about three and one-half months to bloom from seed. We especially recommend the **Parisian Giant Strain** listed below for size of flower and stem. Carnations are best suited to sunny locations.

**Parisian Giants.**

<b>Pure Yellow</b>	<b>Blush Pink</b>
<b>Crimson Velvet</b>	<b>Rose Pink</b>
<b>Light Scarlet</b>	<b>Purest White</b>

**Collection:**

One each six varieties, \$2.50

Any of above varieties: Pkt. 50c.

## Celosia

Showy flowers in solid beds and in the border. Full sun and a fairly rich soil are required.

**Plumosa (Feathered).**

**Pride of Castle Gould.** Pkt. 25c., 1/8 oz. \$1.00.

**Crimson.** Pkt. 15c., 1/8 oz. 50c.

**Yellow.** Pkt. 15c., 1/8 oz. 50c.

**Heatherdell, or Ostrich-plumed.** Large soft plumes. Excellent pot plant.

**Golden Feather** **Fiery Feather**  
Pkt. \$1.00, 3 pkts. \$2.00

**Dwarf Improved (Cockscomb) Glasgow Prize.** Dark crimson. Pkt. 25c.

**Pyramidalis, Flame of Fire.** A lovely dwarf type with fiery red plumes at the tips of the side branches as well as the mainstem. Pkt. 35c., 3 pkts. \$1.00.

## Centaurea Cyanus

**Cornflower**

Very attractive colors for the garden. If you keep the faded blooms picked, new buds will keep coming. When the weather is warm, Cornflowers bloom in five weeks. The single blue variety sown with Flanders Poppy in the fields make a charming effect.

**Dwarf Jubilee Gem.** Deep green leaves with large, double dark blue flowers on plants only 12 in. high. Does not burn as quickly as the taller varieties. Pkt. 25c., 5 pkts. \$1.00.

<b>Double Blue</b>	<b>Double Ruby</b>
<b>Double Mauve</b>	<b>Double White</b>
<b>Double Rose</b>	<b>Double Carmine</b>

**Collection:** One pkt. each above six varieties, 75c.

Any of above six varieties:

Pkt. 15c., 1/4 oz. 40c., oz. \$1.00

**Double Mixed.** All colors. Pkt. 15c., 1/2 oz. 50c., oz. 75c.

**Single Blue.** For broadcasting in fields. Pkt. 15c., oz. 50c., 1/4 lb. \$1.50, lb. \$4.00.



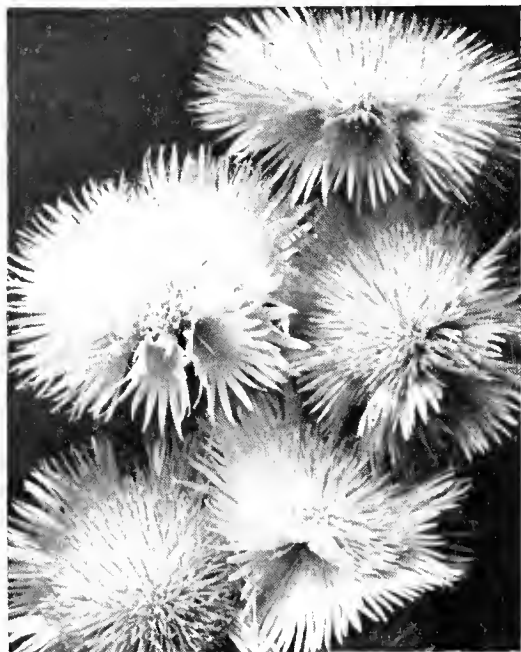
Carnation



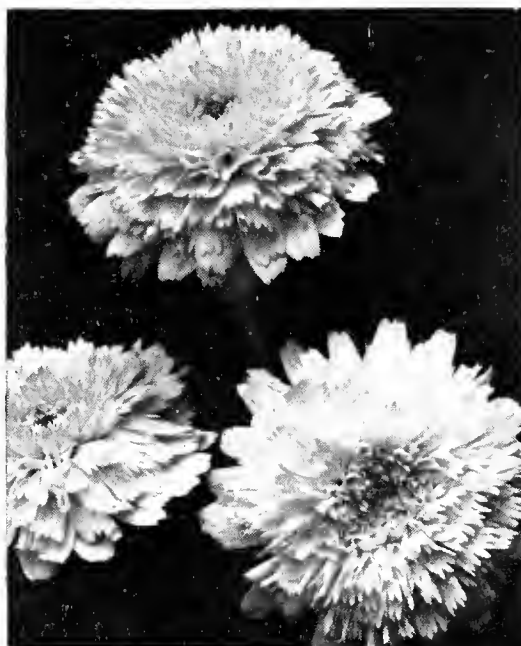
Candytuft



Calliopsis, Dwarf



Centaurea Imperialis



Chrysanthemum segetum Yellowstone



Cosmos Orange Flare

## Centaurea Imperialis

### Sweet-sultan

Prepare the soil by adding a small quantity of manure or commercial fertilizer and spading about 8 inches deep. Full sun is necessary. Flowers are large, soft, and fragrant.

**Amaranth**

**Brilliant Rose**

**Deep Lavender**

**Purple**

**White**

**Yellow**

### Collection:

**One each above six colors, \$1.00**  
Separately, pkt. 25c. Mixture, pkt. 20c.

**Centaurea gymnocarpa** (Dusty-miller). Silvery leaves, used for borders and edging. Pkt. 15c., 1/4 oz. 50c.

## Chrysanthemum Carinatum

### Annual Summer

Plants produce masses of bloom and are excellent for cutting. Start the seed early and plant into sunny spots when the ground warms.

**Dark Copper.** Yellow Zone.

**Golden Chamois.** Scarlet Zone.

**White.** Scarlet Zone.

**Deep Purple.** Yellow Zone.

### Collection:

**One each above four colors, 75c.**  
Separately or Mixed Colors: Pkt. 25c.

**Golden Crown.** Flowers with finely quilled petals of bright golden yellow. Unusually free-flowering, growing to a height of 2 1/2 to 3 ft. Seed must be started very early. Pkt. 50c., 5 pkts. \$2.00.

**Chrysanthemum segetum, Yellowstone.** Full double, light yellow flowers on strong, erect stems. Lovely in the garden and excellent for cutting. Height 18 in. Pkt. 50c., 5 pkts. \$2.00.

## Clarkia Elegans

### Double

Beautiful double flowers appear at each leaf joint, giving the spray effect of fruit blossoms. Give plants a rich soil and full sun and stake as soon as plants are about a foot high.

**Appleblossom**

**Orange King**

**Salmon Rose**

**Chamois Queen**

**Copper Scarlet**

### Collection:

**One each above five varieties, 50c.**  
Separately, pkt. 15c.

## Cleome Pungens

### Spiderplant

Long stems bearing a mass of flowers at the top end. The pistil and stamens protrude beyond the flower, hence its common name. Grows in any soil and blooms quickly.

**Rose Queen.** Pkt. 25c.

## Cobea Scandens

Seed is large and flat and should be planted on end to prevent rotting in the soil. Start seed in pots in March for best results. Vines grow to 20 ft.

**Blue.** Pkt. 20c. **White.** Pkt. 20c.

## Cosmos

Much has been done to spread the season of bloom of this popular garden flower as well as breeding double and semi-double strains. The early strains are more dwarf and have less foliage than later blooming varieties. From seed sown in late April, you will have blooms from July until frost if both early and late types are planted.

**Sensation.** Mammoth flowers, often 4 to 5 in. across on long, strong stems. The plants grow 4 ft. high. The flower petals are very wide with good keeping quality, making this type the best cutting Cosmos.

**Pink**

**White**

**Mixed**

Pkt. 25c., 5 pkts. \$1.00

**Orange Flare.** Large, deep orange flowers borne in profusion. Plants spreading with long flower stems. Pkt. 25c., 1/4 oz. \$1.00.

**Extra Early Express.** 2 1/2 ft. Single.

**Crimson**

**White**

**Pink**

**Mixed**

**Collection: One pkt. each of above three varieties, 50c.**

Pkt. 20c., 1/4 oz. 75c., oz. \$2.00

**Extra Early Double Crested.** 2 1/2 ft.

**Crimson White Peachblossom**

**Collection: One pkt. each of above three varieties, \$1.25**

Pkt. 50c. each

**Early Flowering.** 3 ft. Single.

**Crimson**

**White**

**Pink**

**Mixed**

**Collection: One pkt. each of above three varieties, 35c.**

Each: Pkt. 15c., 1/4 oz. 30c., oz. 75c.

**Late Giant Single.** 5 ft.

**Pink**

**Crimson**

**White**

**Mixed**

**Collection: One pkt. each of above three varieties, 35c.**

Each: Pkt. 15c., 1/4 oz. 25c., oz. 50c.

**Late Double Crested.** 4 ft.

**Crimson King White Queen**

**Pink Beauty**

**Collection: One each above three varieties, \$1.25**

Separately, pkt. 50c.

## Cuphea

Small, delicately formed flowers of fiery cerise red are freely produced on compact plants 10 in. high. Excellent as a border or edging plant and for color all Summer in the rock garden. Bloom in 12 weeks from seeding.

**Firefly.** Pkt. 35c., 3 pkts. \$1.00.

## Cynoglossum Amabile

**Ultramarine.** One of the finest of the blue annuals both for cutting and for show. Flowers resembling large Forget-me-nots are borne on 18 in. stems. Continuous bloom. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00.

## Dahlia

Dahlias are as easily raised from seed as Zinnias. The dwarf bedding types have large flowers in many attractive shades and will bloom until frost. Tubers of this type may be saved, but the flowers will be smaller. The tall types will give many interesting colors and may produce a new variety worth naming. This is the hybridizer's method.

**Dwarf Zulu.** A vigorous, dwarf bedding Dahlia with a wide color range, but crimson and scarlet with some orange and yellow predominate. Leaves very dark. Pkt. 50c.

**Mignon Firebrand.** Bedding. Flame scarlet suffused with salmon orange. Single flowers. Pkt. \$1.00.

**Mignon Mixed.** Bedding. Beautiful color range including many pastel shades. Single flowers. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.00.

**Unwin's Semi-double Dwarf Hybrids.** Bedding. All colors are found in this strain, including yellows, pinks, orange, red, and scarlet. The flowers have two and three rows of petals and are very pleasing. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.00.

**Giant Exhibition.** Seed saved only from the best show varieties. Pkt. 50c.

**Extra Double Cactus-flowered.** Selected strain producing a high percentage of double incurved flowers. Pkt. 50c.

## Delphinium Chinensis

This type may be grown as an annual or perennial. It is an excellent subject for long borders or rock work. Growing to a height of 12 in. it seems to be all flowers. Seed should be sown in February or early March for blooms the same year, or in June for succeeding years.

**Azure Fairy.** Azure blue. Pkt. 25c.

**Blue Butterfly Improved.** Ultramarine blue. Pkt. 25c.

## Dolichos

### Hyacinth-bean

**Lablab.** A rapid growing, free-flowering climber with purple, Pea-shaped flowers. The foliage is heart-shaped and bright green. Pkt. 15c., oz. 40c.

## Dianthus

The spicy fragrance of the annual Pinks together with the shades of whites, pinks and reds, have won a prominent spot for this group in many gardens. Keep the old flowers picked to insure long season bloom.

**Giant Single Mixed.** Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Double Hybrids.** All the colors mixed. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Laciniatus.** Petal edges cut and fringed.

**Double Scarlet.** Pkt. 20c.,  $\frac{1}{8}$  oz. 75c.

**Double Pink Beauty.** Pkt. 20c.,  $\frac{1}{8}$  oz. 75c.

**Double Salmon King.** Pkt. 20c.,  $\frac{1}{8}$  oz. 75c.

**Double Snowdrift.** Pkt. 20c.,  $\frac{1}{8}$  oz. 75c.

**Collection: One each of four fringed varieties, 60c.**

**Sweet Wivelsfield.** Flowers carried in a cluster as the Sweet-williams, but individual blooms as large as Garden Pinks. Pkt. 25c.,  $\frac{1}{8}$  oz. 75c.

## Didiscus

(See **Blue Laceflower**)

## Dimorphotheca

### African Daisy

The flower colors are intensified by the shiny, waxlike petals. Excellent for cutting, although the flowers close each night. Continuous bloom.

**Golden West.** Buttercup yellow. Pkt. 15c.

**Salmon Beauty.** Clear salmon pink. Pkt. 25c.

**Mixed Hybrids.** Contains whites, yellows, orange, and pink. Pkt. 15c.

**Eklonis.** Very large pure white, star-shaped flowers with a blue disc. Pkt. 25c.

## Eschscholtzia

### California-poppy

Sow the seed where they are to grow as the plants will not transplant well. Seed may be sown as soon as the ground is open. The plants bloom continuously until heavy frost. Seed scattered in fields and on banks and terraces produce a wealth of color and re-seed themselves for several years.

**Aurantiaca.** Rich orange.

**Golden West.** Yellow with orange center.

**Crimson.**

Each: Pkt. 15c.,  $\frac{1}{2}$  oz. 50c., oz. 75c.

**Brilliant Mixture.** Containing all the colors. Pkt. 15c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Ramona Hybrids.** Compact plants with ruffled flowers. A mixture of bright colors. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00.



Dianthus Sweet Wivelsfield



Dimorphotheca



Unwin's Semi-double Dwarf Dahlias



Gaillardia Indian Chief



Gypsophila



Hunnemannia Sunlite

## Euphorbia

**Variegata** (Snow-on-the-mountain)

Leaves light green veined and margined white. Attractive around rocks. 2 ft. Pkt. 15c., 1/4 oz. 50c.

## Gaillardia

*Blanketflower*

Annual Gaillardias grow easily, bloom quickly, and their branching habit make them good subjects for the garden and cutting. They will bloom continuously until frost.

**Indian Chief.** Deep bronze red with dark center. Pkt. 25c.

**Salmon Pink.** Pkt. 25c.

## Godetia

*Satinflower*

One of our most attractive flowering plants. The texture of the bloom is like satin and the plants bush out full. Strong sun sometimes burns the flowers slightly so plant them in a spot where there is light shade.

**Cherry Red.** Deep red, paler margin. Pkt. 25c.

**Sybil Sherwood.** Bright salmon pink with a small white edge. Pkt. 25c.

**Double Rose.** Rose pink. Pkt. 15c.

**Double Crimson.** Velvetlike. Pkt. 15c.

**White Swan.** Purest white. Pkt. 25c.

**One each of the five colors, 75c.**

## Gomphrena

*Globe-amaranth*

Buttonlike flowers resembling clover heads. They are everlasting and so may be cut and used all Winter.

**Purple**

**Rose**

Each: Pkt. 15c., 1/4 oz. 50c.

## Gourds

This interesting annual climber has a very ornamental foliage and the fruit is most interesting in shapes and coloring.

**Large Fruiting:**

**Calabash**

**Giant Bottle**

**Dipper**

**Hercules Club**

**Dish Cloth**

**Sugar Trough**

**Collection: One pkt. each of six large varieties, 50c.**

Separately, pkt. 10c.

**Small Fruiting:**

**Apple**

**Orange**

**Bottle**

**Pear, Striped**

**Turks Turban**

**Egg-shaped**

**Spoon**

**Collection: One pkt. each of seven small varieties, 60c.**

Separately, pkt. 10c.

**Large and Small Mixed.** Pkt. 10c., oz. 50c.

## Gypsophila

*Annual Babysbreath*

Sow the seed every three weeks for a continuous supply. The flowers are fine for filling in flower arrangements.

**Elegans grandiflora alba.** White.

Famous London market strain.

Pkt. 15c., 1/4 oz. 40c., oz. 75c.

**Elegans rosea.** Small rose pink flowers. Pkt. 15c., 1/4 oz. 50c., oz. \$1.00.

## Helianthus

*Sunflower*

Excellent material for the background as these dwarf strains produce many flowers and the leaves are not coarse.

**Dwarf Chrysanthemum-flowered.**

Bright yellow double flowers. 3 ft.

Pkt. 15c., 1/2 oz. 40c., oz. 75c.

**Dwarf Red.** Single deep red. 5 ft.

Pkt. 15c., 1/2 oz. 40c., oz. 75c.

## Helichrysum

*(Double)—Strawflower*

For Winter bouquets, flowers should be picked in tight bud and hung head downward in a moderately dry place.

**Canary Yellow**

**Rose Queen**

**Fireball**

**Salmon**

**Golden Ball**

**Violet**

**Finest Double Mixed**

**One each of six colors, 75c.**

Separately, pkt. 15c., 1/4 oz. 50c.

## Hollyhock

*Double Annual*

Pure intense scarlet blooms looking exactly like the perennial type. Seed should be started early in the Spring. Plants will Winter over wherever perennial varieties.

**Scarlet Beauty.** Pkt. 35c., 3 pkts. \$1.00.

## Humulus

**Japonicus** (Hop Vine). Luxuriant foliage makes a dense, ornamental covering. Height to 25 ft. Pkt. 15c., 1/2 oz. 50c.

# Annual Flower Seeds



Lupins



Giant Imperial Larkspur



Leptosyne Golden Rosette

## Hunnemannia

### *Tulip Poppy*

This subject is very difficult to transplant. Sow seed early in pots or right outdoors when the ground is warm. Seed sown in May will bloom in July.

**Semi-double Sunlite.** Golden yellow. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00, oz. \$3.00.

**Single Yellow.** Pkt. 15c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.50.

## Impatiens

Particularly suited to shaded areas, the plants will bloom continuously all Summer. 18 in.

**Holsti.** Orange scarlet. Pkt. 50c.

**Sultani.** Carmine rose. Pkt. 50c.

## Ionopsidium

**Acaule** (Violet Cress). Miniature blooms, white tinged violet. A good annual for filling in the rock garden. Pkt. 25c.

## Ipomoea

(See Morning-glory and Moonflower)

## Kochia

**Trichophylla** (Summer Cypress). Green, lacelike foliage turns red in the Fall. Pkt. 15c., oz. 50c.

## Lavatera

### *Annual Mallow*

**Sunset.** An easily grown annual, flowering from July to September; these plants grow 3 ft. tall, with rose carmine blossoms  $2\frac{1}{2}$  to 3 in. in diameter. Allow 2 ft. between plants. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

## Larkspur

### *Annual Delphinium*

Sow the seed early in the frame or outside as soon as the ground is open. Plants should be well established before hot weather sets in. Excellent for cutting and very showy in the annual border. Plants should stand about 12 in. apart.

**Giant Imperial.** Upright, base-branching, long stems.

**Blue Spire.** Violet blue.

**Exquisite Pink.** Soft pink shaded salmon.

**Exquisite Rose.** Rose pink.

**Lilac Spire.** Deep lilac blue.

**White Spire.** Pure white.

**Formula Mixture.** Mixed from separate colors.

### *Collection:*

**One each above five varieties, \$1.00**

Separately: Pkt. 25c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.50

**Tall Double Branching.** Stem-branching habit.

**Dark Blue**

**Rose**

**Salmon Pink**

**Lilac**

**White**

### *Collection*

**One each above five varieties, 60c.**

Separately: Pkt. 15c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.50

**Finest Mixture.** Made to formula from separate colors. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.50.

Larkspur seed may be sown in the fall as early as September. The small plants will generally winter over well, giving tall plants with long stems early in the Spring.

## Leptosyne

**Stillmani** (Golden Daisy). Golden yellow, Daisylike flowers, easily and quickly grown from seed, producing flowers on 12 in. stems; good for cutting. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00.

**Golden Rosette.** The flowers are perfect rosettes of bright buttercup yellow. The blooms resemble small, double Dahlias, making an attractive garden display as well as a fine cut flower. Pkt. 50c., 5 pkts. \$2.00.

## Lobelia

Popular low growing border plants. Start seed early for all Summer bloom. Produce flowers in such profusion that foliage is almost completely covered.

**Crystal Palace Compacta.** Ultramarine blue. Compact. 4 in. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.00.

**Erinus compacta, Gentian Blue.** 4 in. Deep gentian blue without any eye. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.50.

**Pendula, Sapphire.** Trailing. Deep navy blue, white eye. Pkt. 25c.

## Lupin

### *Annual*

Continue the Lupin blooming season in your garden by planting some annual varieties. Fine for cutting and for show.

**King Varieties.** Giant spikes on tall, straight stems.

**King Blue.** Oxford blue.

**King Sky Blue.** Light blue.

**King White.** Pure white.

**King Mixture.** All Lupin shades.

Pkt. 25c.,  $\frac{1}{4}$  oz. 75c.

## Marigold

The African varieties produce large flowers while the French kinds are more profuse blooming, with smaller flowers. Tall varieties grow about 3 ft., dwarf varieties about 18 in.

### TALL AFRICAN DOUBLE

**Lemon Alldouble.** A perfect ball. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00.

**Orange Alldouble.** A perfect ball. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00.

**Mixed.** Tall African orange and lemon shades. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.50.

### NOVELTY STRAINS

**Guinea Gold.** Loosely ruffled petals of golden orange shade. Pkt. 15c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.00.

**Golden Crown.** The dwarf form of Guinea Gold with the same Carnation form flowers of brilliant orange flushed gold. It grows only 1 ft. high. Pkt. 60c., 5 pkts. \$2.50.

**Yellow Supreme, Carnation-flowered.** Creamy, lemon-colored flowers on long stems. Foliage practically odorless. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00.

**Gigantea, Sunset Giants.** An entirely new race of Marigolds. The flowers are loosely formed with full, double centers. The flower petals are broad and waved, overlapping gracefully to give the flowers a great depth. A definite sweet fragrance replaces the usual pungent Marigold odor. Flowers 5 to 7 in. across, on plants 4 ft. high. Colors from deep orange to primrose yellow. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.00.

**Golden Eagle.** Carnation-flowered type growing 4 ft. high with large, luminous gold flowers on long stems. A companion for the popular Guinea Gold. Pkt. 35c., 3 pkts. \$1.00.



Marigold Golden Crown

## Marigold—Continued

### TALL FRENCH

**Josephine.** Single golden yellow flowers overlaid with brown. Pkt. 25c.,  $\frac{1}{4}$  oz. 50c.

### DWARF FRENCH DOUBLE

**Harmony.** Striking color combination, bright golden yellow center with outer petals of rich maroon red. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.50.

**Golden Ball.** Golden yellow. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Sulphur Yellow.** Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Dark Maroon.** Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Yellow Spotted Brown.** Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Collection: One each of five Dwarf French Double Varieties, 75c.**

**Mixed Colors.** Shades from light yellow to brown. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

### DWARF FRENCH SINGLE

**Legion of Honor (Little Brownie).** Yellow, spotted brown. Pkt. 15c.,  $\frac{1}{4}$  oz. 30c.

## Marvel of Peru

### Four-o'clocks

Blooms quickly and easily from seed. Flowers open late in the afternoon. Height 30 in. Pkt. 15c.

## Matthiola

### Night-scented Stocks

**Bicornis.** Lilac rose flowers which have a delicate scent in the evening. Height 12 in. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.



Marigold Guinea Gold

## Mesembryanthemum

### Iceplant

**Criniflorum.** Low, very spreading plants covered with pastel colored flowers with some crimson. Ideal for the rock garden or dry places. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.50.

## Mignonette

### Reseda Odorata

Delightfully fragrant and lovely in old-fashioned bouquets. Sow the seed where they are to grow.

**Sweet-scented.** Light shades. Pkt. 15c.,  $\frac{1}{4}$  oz. 25c., oz. 50c.

**Golden Goliath.** Giant golden yellow spikes. Pkt. 25c.,  $\frac{1}{4}$  oz. 75c.

**Goliath Red.** Large, red spikes. Pkt. 25c.,  $\frac{1}{4}$  oz. 75c.

**White Machet.** Short, thick flower spikes. Pkt. 25c.,  $\frac{1}{4}$  oz. 75c.

## Mina Lobata

**Lobata.** A very unusual climber with red flowers changing to yellow. Easily raised from seed, growing to 15 ft. Pkt. 15c.,  $\frac{1}{4}$  oz. \$2.00.

## Morning-glory

Sow in the open ground in the Spring. If sown in May, seed should be softened first in water.

**Heavenly Blue.** The early flowering strain with very large, blue flowers, golden throat. Pkt. 25c.,  $\frac{1}{4}$  oz. 75c.

**Imperial Japanese.** The finest mixture. Pkt. 15c., oz. 50c.



Marigold Harmony

## Moonflower

*Ipomoea Noctiflora*

**White.** Large white flowers blooming at night. Pkt. 15c.

## Myosotis

*Forget-me-not*

Seed sown in the early Spring will bloom that Summer. For early Spring bloom, sow in August and Winter over in frames with protection.

**Ruth Fisher.** Large bright blue flowers. Pkt. 50c.

**Isolde Krotz.** Improved Ruth Fisher. Pkt. 75c.

**Alpestris Victoria.** Compact azure blue. Pkt. 25c.,  $\frac{1}{8}$  oz. 75c.

## Nasturtium

Sow in the open ground when it is warm, setting four or five seeds to each foot. The dwarf and double varieties will produce more flowers and less foliage if planted in a poor soil.

**Gem Varieties.** The best group of semi-double dwarf varieties. Neat, compact runnerless plants, 10 in. high with flowers carried well above the foliage.

**Mahogany Gem.** Deep mahogany.

**Orange Gem.** Strong clear orange.

**Salmon Gem.** Soft golden salmon.

**Scarlet Gem.** Fiery scarlet.

Pkt. 25c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50

**Collection:**

*One each above four varieties, 75c.*

**Gem Mixture.** Large, fully double, sweet-scented flowers in an excellent color range on compact, ball-shaped plants. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Nasturtium—Continued**

**Dwarf Double:**

**Golden Globe.** Very compact, plants bearing great quantities of semi-double sweet-scented golden yellow flowers all Summer long.

**Scarlet Gleam.** Bright scarlet. Sweet-scented.

**Golden Gleam.** Golden yellow, sweet-scented.

**Orange Gleam.** Deep golden orange.

**Collection: One each of above three Gleam varieties, 35c.**

Separately, pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. 75c.

**Gleam Hybrids.** All flowers semi-double in a wide color range. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. 75c., lb. \$1.50.

**Giant-flowering Dwarf Mixed.** Single flowers. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Giant-flowering Tall Mixed.** Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Lobb's Climbing.** Dark leaves. Pkt. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 60c.

## Nemesia

Best planted in areas where the sun is not too strong. They bloom over a long period. Start seed in March for best results.

**Strumosa.** Large-flowering.

**Blue**

**Orange**

**Cherry Red**

**Rose**

**Collection:**

*One each four varieties, 75c.*

Separately, pkt. 25c.

**Nana compacta, Blue Gem.** Myosotis blue, growing only 8 in. high. Pkt. 50c.

## Nemophila

**Insignis Blue** (Baby Blue Eyes). Clear blue, wide open, bell-shaped blossoms on short stems. Fine for borders and rockeries. Pkt. 25c.,  $\frac{1}{4}$  oz. 75c.

## Nicotiana

*Flowering Tobacco*

Delightfully fragrant, long-tubed flowers in lovely colors. Fine for cutting and very showy in the garden. Very easily grown from seed and blooms all Summer.

**Affinis Hybrids:**

**Crimson Bedder.** Dwarf habit. Rich deep crimson flowers. Pkt. 25c.,  $\frac{1}{8}$  oz. \$3.00.

**Pink Shades.** Sweet-scented. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Mixed.** Brilliant colors. Sweet-scented. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c.

**Affinis White.** Pure white. The most fragrant variety. Pkt. 15c.,  $\frac{1}{4}$  oz. 30c.

## Nigella

*Love-in-a-mist*

Blooms very quickly from seed. Sow in the garden where it is to grow.

**Miss Jekyll.** Light blue. Pkt. 15c.,  $\frac{1}{4}$  oz. 35c., oz. \$1.00.

**Dark Violet.** Pkt. 15c.,  $\frac{1}{4}$  oz. 35c., oz. \$1.00.

## Nolana

**Grandiflora Blue.** Delightful Cornflower blue, Mallowlike blossoms growing only 6 in. high. Good for dry places and rock work. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.50.



Marigold Gigantea



Nicotiana Crimson Bedder



Nigella

## Petunia

One of the most effective of all the annuals. They bloom profusely and continuously until heavy frost. Very showy in beds, borders, porch boxes, or pots. Sow the seed in the greenhouse in February, hotbeds and frames in March or April, or outdoors in early May. Best in full sun, but also good for semi-shaded locations.

**Bedding Varieties.** Erect bedding. Height 12 in.

**Celestial Rose.** Deep rose pink.  
**Silver Blue.** Selected light blue.  
**Rosy Morn.** Pink with white throat.  
**Violacea.** Deep violet blue.  
**Flaming Velvet.** Velvety blood red.  
**Snowball.** Pure white.  
**Mixture.** Full color range. Pkt. 15c. ¼ oz. 75c.

### Collection:

**One each of above six colors, \$1.00**

Separately: Pkt. 20c., ¼ oz. \$1.25

**Large-flowered Dwarf Compact.**

**Salmon Supreme.** Rich coral salmon flowers changing to soft salmon pink as they mature. Free branching compact plants. Pkt. 35c., 3 pkts. \$1.00.

**Burgundy.** Deep Burgundy red, slightly waved petals carried in great profusion on vigorous spreading plants. Pkt. 50c., 5 pkts. \$2.00.

**Setting Sun.** Brilliant rose pink fringed flowers, 3 in. across. Pkt. 50c., 5 pkts. \$2.00.

**Martha Washington.** Frilled blush pink flowers with throat veined wine red. Pkt. 50c., 5 pkts. \$2.00.

**Gottfried Michealis.** Bright amaranth red. Frilled. Pkt. 50c., 5 pkts. \$2.00.

**Cockatoo.** Velvety, deep violet, edged white. Pkt. 25c., 5 pkts. \$1.00.

**Lace Veil.** Pure white, heavily fringed flowers. Pkt. 50c., 5 pkts. \$2.00.

**White Cloud.** Large pure white flowers with plain edges. Pkt. 50c., 5 pkts. \$2.00.

**Collection: One each above eight varieties, \$2.75**

**Giant-flowering.**

**Elk's Pride.** Immense, velvety violet flowers. Pkt. 25c., 5 pkts. \$1.00.

**Snowstorm.** Very large pure white. Pkt. 35c., 3 pkts. \$1.00.

**Giants of California.** Immense flowers 4 to 5 in. across; wide, deeply veined throats. Pkt. 50c., 5 pkts. \$2.00.

**Dwarf Giants of California.** Dwarf compact plants bearing immense flowers with wide, deeply veined throats. Glorious color range. Pkt. 50c., 5 pkts. \$2.00.



Celestial Rose



White Cloud



Phlox Art Shades

## Petunia—Continued

**Giant-flowering, Single Fringed.**

The largest flowering strain of Petunias with wide open, deeply veined throats. The petal edges are heavily fringed.

**Silver Rose.** Soft pink ground flushed rosy amaranth.

**Lilac Queen.** Lilac, veined violet blue; dark throat.

**Nigra Purpurea.** Deep velvety violet purple.

**King Alphonso.** Dark crimson with very deep throat. Petals heavily fringed.

**Collection: One each of above four varieties, \$3.00**

Separately, pkt. \$1.00

**Balcony.** Ideal for window and porch boxes.

**Blue.** Violet blue. Pkt. 25c., 5 pkts. \$1.00.

**Netted Blue Gem.** Steel blue veined deep violet. Pkt. 35c., 3 pkts. \$1.00

**Coppery Rose.** Deep rose, copper undertone. Pkt. 35c., 3 pkts. \$1.00.

**White.** Pure white. Pkt. 25c., 5 pkts. \$1.00.

## Phacelia

**Campanularia** (California Bluebell).

Lovely- cup-shaped, gentian blue flowers closely resembling Canterbury-bells. Compact plants 1 ft. high bloom all Summer. Pkt. 25c., ¼ oz. \$1.00.

## Phlox Drummondii

For bright splashes of color in the garden all Summer. Few annuals can compare with Phlox drummondii varieties. Also good for rock work. Seed may be started early or sown directly in the garden as soon as the ground is open.

**Large-flowering.** Height 12 in.

<b>Chamois Rose</b>	<b>White</b>
<b>Flesh Pink</b>	<b>Scarlet</b>
<b>Isabellina</b> (yellow)	<b>Violet</b>

**Collection: One pkt. each above six varieties, \$1.00**

Separately: Pkt. 20c., ¼ oz. 75c.

**Finest Mixed.** All colors. Pkt. 20c., ¼ oz. 75c.

**Large-flowering, Dwarf (Nana compacta).**

<b>Chamois Rose</b>	<b>Isabellina</b>
<b>Fireball</b>	<b>Snowball</b>

**Collection: One pkt. each above four varieties, \$1.50**

Separately, pkt. 50c.

**Gigantea Art Shades.** Offered only as a mixture, the color range is very large, with many of the pastel shades. Most colors have an undertone of cream. Plants grow 9 in. high, bearing large flowers in giant clusters. Pkt. 25c., ¼ oz. \$1.00.

## Pansy

Pansies are ideal bedding plants and although they will produce larger flowers if planted in a cool, semi-shaded spot, they will also grow well in a sunny location. It is an established practice to set Pansy plants in solid beds in early Spring; when the hot sun decreases the size of the blooms, replace with Summer-flowering annuals. Seed sown in late July or early August will produce the best flowering plants for the next season's bloom. February or early March sowing will give blooming plants from Midsummer to Fall.

**Giessler's Super Giants.** An unusually well balanced mixture of colors with the entire Pansy color range, including rich wine shades. Very large flowers on long stems. Pkt. \$1.00, 6 pkts. \$5.00.

**Triumph of the Giants.** Beautifully frilled flower petals so broad and overlapping as to appear almost double. Wide color range. Pkt. 50c., 5 pkts. \$2.00.

**Masterpiece.** Superb class of blotched Pansies with frilled petals. Rich colors. Pkt. 25c., 1/16 oz. \$1.50.

**Trimardeau Giant Mixed.** Popular strain noted for its sturdy branching habit and large flowers. Pkt. 15c., 1/4 oz. \$1.25.

**Trimardeau Varieties:**

Golden Bronze	Snowflake
Canary Bird	Fire King
Blue Domino	King of Blacks
Cornflower Blue	

**Collection:** One each of above seven varieties, \$1.50

Separately: Pkt. 25c., 1/8 oz. \$1.25

**Winter Blooming.** Bloom when other strains are only in bud.

**Ice King.** Silver white, dark blue eye

**Celestial Queen.** Light blue.

**Mars.** Cornflower blue.

**Winter Sun.** Golden yellow, dark eye.

**Mixed.** All colors.

Above varieties, each pkt. 25c.

**Red Shades Marbled.** A large flowering strain. Pkt. 25c., 5 pkts. \$1.00.

**Giant Alpenglow.** Pure red shades. Pkt. 50c., 5 pkts. \$2.00.

**Lake of Thun.** Very large flowers of intense blue color. Pkt. 50c., 5 pkts. \$2.00.

## Portulaca

The most cheerful ground cover of all. Plant in full sun directly where it is to grow on banks, walls, rock gardens and in beds.

**Single Finest Mixed.** Bright colors. Pkt. 10c., 1/4 oz. 30c., oz. \$1.00.

**Double Finest Mixed.** Select strain. Pkt. 25c., 1/8 oz. \$1.00.

## Poppy

Seed should be sown where it is to grow. They thrive best in sunny places. Several sowings will insure a long season bloom. They may be sown wild in the fields, especially the wild Flanders Poppy, combined with single blue Cornflowers.

**Single Shirley.**

Deep Apricot

Salmon Pink

Wild Rose Pink

Orange Scarlet

Picotee

**Collection:**

One each above five colors, \$1.00

Separately, pkt. 25c.

**Formula Mixed.** Pkt. 10c., 1/2 oz. 50c., oz. 75c., 1/4 lb. \$2.00.

**Annual Oriental.** Large red flowers with black spots. Pkt. 25c., 5 pkts. \$1.00.

**Wild French (Flanders).** The famous field Poppy of Flanders Fields. Pkt. 15c., oz. 75c., 1/4 lb. \$2.00.

## Ricinus

**Castor Oil Plant**

Easily and quickly grown from seed. The foliage is considered ornamental. Sow seed when the ground is warm.

**Cambogensis.** Dark metallic leaves. Height 5 ft. Pkt. 10c., oz. 50c.

**Zanzibarensis.** Tall, large-leaved variety. 10 ft. Pkt. 10c., oz. 50c.

## Salpiglossis

The colors are very rich, with a deep velvet sheen and beautifully veined throats. Beautiful as a cut flower and colorful in the garden. Seed may be started in the frames in March or April, or may be sown directly in the garden in May. Cover seed very slightly.

**Select Large-flowering.**

Alba Lutea

Chamois

Light Blue Veined Gold

Purple Veined Gold

Rose Veined Gold

Violet Veined Gold

Crimson

Velvety Red

**Collection:**

One each above eight varieties \$1.25

Separately, pkt. 20c.

**Finest Mixed.** Rich colors. Pkt. 20c., 1/4 oz. 75c.

**Dwarf Giant-flowering.** Height 18 in. Largest flowering strain. Compact and branching.

Blue and Gold

Bright Scarlet

Lilac Veined Red

Scarlet and Gold

Deep Velvety Crimson

Brown and Gold

**Collection:** One pkt. each above six varieties, \$1.25

Separately: Pkt. 25c., 5 pkts. \$1.00



Pansy



Shirley Poppy



Salpiglossis



Salvia Blaze of Fire



Schizanthus



Scabiosa Rosette

## Salvia

Well-known for their colorful show during late Summer and Fall. Seed should be started early in the hotbed not later than March.

**Blaze of Fire.** Bright dazzling scarlet flowers freely produced some two weeks earlier than other varieties. The habit is dwarf, growing 14 to 16 in. high. Pkt. 50c., 5 pkts. \$2.00.

**Splendens Coral.** Compact plants, only 16 in. high, with heavy flower spikes of vivid coral pink. Pkt. 50c., 5 pkts. \$2.00.

**Splendens grandiflora.** Large flower spikes of dazzling scarlet. 2 ft. Pkt. 15c., 1/4 oz. \$1.00.

**Bonfire.** Compact plants with brilliant scarlet spikes. 18 in. Pkt. 20c., 1/4 oz. \$1.25.

**America (Globe of Fire).** 16 in. Pkt. 25c., 1/4 oz. \$1.50.

**Patens.** Navy blue. 2 ft. Pkt. 50c., 5 pkts. \$2.00.

**Farinacea.** Light blue; individual flowers are small but borne on long spikes. Height 4 ft. Pkt. 25c., 1/4 oz. \$1.50.

**Farinacea, Blue Bedder.** Same type as Farinacea, but flowers are deep blue on plants only 3 ft. tall. Pkt. 35c., 1/4 oz. \$2.00.

## Saponaria

**Multiflora compacta.** Deep rose flower clusters on plants 6 in. high. An excellent subject for filling in the blooming season of the rockery. Pkt. 25c., 5 pkts. \$1.00.

## Scabiosa

### Pincushion Flower

Undoubtedly the most popular of garden annuals. They may be cut with stems 2 ft. long and will keep better than most flowers. For early blooms, sow seed in the coldframe in April. For blooms from Midsummer on, sow seed in the garden and thin out when the plants are a few inches high.

### Large-flowering Double.

**Blue Cockade.** Deep blue

**Azure Fairy.** Azure blue

**Crimson** Rose

**Deep Maroon** Shasta. Pure white

**Peachblossom** Sulphur Yellow

**Choice Mixed**

### Collection:

**One each above eight colors, \$1.25**

Separately: Pkt. 20c., 1/4 oz. 50c., oz. \$1.50

**Salmon Beauty.** Very large flowers of pure salmon on vigorous plants add a much needed color to this popular flower. Scabiosa is one of the most easily grown annuals in the garden. Pkt. 35c., 3 pkts. \$1.00.

**Rosette.** Beautiful deep rose suffused with salmon. Very large flowers on long stems. Pkt. 25c., 1/8 oz. \$1.00.

## Schizanthus

### Poor Man's Orchid

Showy in the garden and excellent for mixing in bouquets. Seed may be started under glass in March or planted outdoors in early May. Pinch out tops of young plants to make them bushy.

**Large-flowering Hybrids.** Mostly lighter shades. Pkt. 25c., 1/4 oz. \$1.50.

## Statice

### Sea-lavender

Intensely colored flowers which may be dried for Winter bouquets. Seed may be started early or sown right out in May.

**Bonduelli.** Golden yellow.

**Sinuata, Kampf's Blue.** Deep intense blue.

**Sinuata rosea superba.** Deep rose.

**Suworowi.** Soft rose on rounded spikes.

### Collection:

**One each of four varieties, 50c.**

Separately, pkt. 15c.

## Stocks

### (Double flowering)

### Gilliflower

An old favorite which must be started under glass by the end of March. Seed sown in February will produce blooming plants in late June. The flowers are sweet-scented. Be sure not to discard the smaller seedlings as they generally produce the best double flowers.

### Giant Double Perpetual Branching (Cut-and-come-again)

**White**

**Chamois Rose**

**Blush Pink**

**Crimson**

**Canary Yellow**

**Dark Blue**

**Silvery Lilac**

**Mixed**

### Collection:

**One each of seven colors, \$1.50**

Separately, pkt. 25c.

**Greenhouse Varieties.** See page 23.

**FOR HEALTHY SEEDLINGS  
and increased germination**

## Formacide

A formaldehyde product which does not deteriorate. Triple strength stabilized formaldehyde dust, it quickly sterilizes soil and seeds without injury. The best safeguard for control of damping-off fungus which often cuts down the seedling growth 50% to 75%. Apply 1 1/2 ozs. per sq. ft. for seed bed treatment. Use 8-oz. per bushel of soil for benches, flats or potting. Lb. 75c., 5 lbs. \$2.00, 25 lbs. \$5.50, 100 lbs. \$17.00.

# Sweet Peas

Sweet Peas will thrive in any sunny location. They need a rich, deeply worked, heavy soil with good drainage. These soil conditions can easily be met and at very little cost.

**Soil**—A soil which is heavy enough to hold a liberal quantity of water but with sufficient drainage to take away surface water is ideal. A sweet soil is essential for good results. Dig a trench 18 to 24 in. deep by 1 ft. wide. Fill in with stable manure to a depth of 5 to 6 in., adding a handful of bonemeal to every 4 ft. of row. Fill the trench loosely with soil and turn it over several times to thoroughly incorporate the manure with the soil. Fall preparation will put the soil in even better condition than if it is done in the Spring.

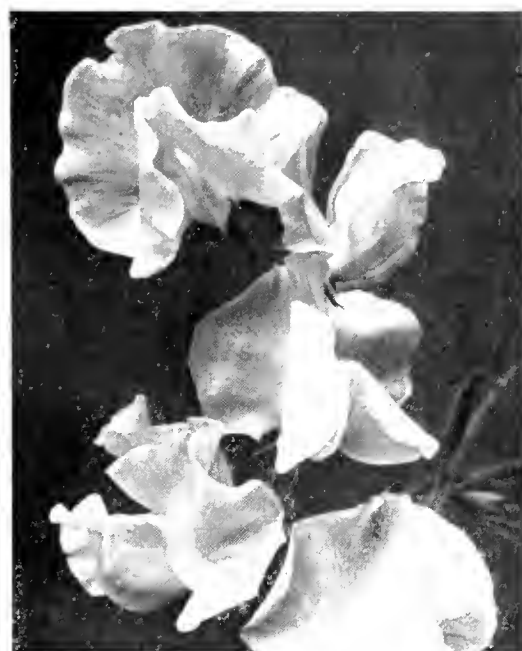
**Sowing**—Seed should be sown as early in the Spring as the ground can be worked. Seed should be sown in double rows 6 to 8 in. apart. Make the rows 5 to 6 in. deep and sow seed liberally (1 oz. to 15 ft.) and cover with not more than 2 in. of soil. As the plants grow,

fill the trench gradually by cultivating the soil in around them a little at a time. When plants are 2 inches high, they will need support.

**Support**—There are many methods of supports used. Brush, wire, string, or any material which will give at least 3 ft. of support to the vines will do, placing it between the double rows.

**Fertilizing**—When plants are about 6 in. high, they reach a critical period. A check at this time would stunt their growth. Floranid or any equal nitrate fertilizer should be applied at the rate of one teaspoonful to three gallons of water for every 10 ft. of row at least 4 in. away from the vines. Repeat this operation again when flower buds show color.

**Water**—Never all the plants to want for water especially during dry spells. Soil should be soaked to a depth of at least 8 in. Always apply water at least 4 in. away from the vines. A mulching of manure or peat moss will conserve this moisture.



Sweet Peas

## Giant Waved Spencer Varieties

### Blue Shades:

**Blue Bell.** Clear blue.

**Powerscourt.** Lilac.

\***Ambition.** Lavender.

\***Fortune.** Rich, dark blue.

**Olympia.** Deep rich purple.

### Orange Shades:

**Excelsior.** Orange scarlet.

\***Pirate Gold.** Golden orange.

### Pink Shades:

**Susan.** Blush pink, cream ground.

\***Smiles.** Salmon shrimp pink.

**Rosie.** Deep rose pink.

\***Ruffled Rose.** Soft rose pink.

### Pink Shades—Continued

**Beatall.** Pink, suffused salmon.

**Charm.** Deep cerise.

### Red Shades:

**The Cardinal.** Poppy scarlet.

\***Welcome.** Dazzling scarlet.

\***Red Boy.** Rich crimson.

### Maroon:

**Leviathan.** Rich maroon.

### Cream and White Shades:

**Sunkist.** Cream, picotee edged rose.

\***What Joy.** Rich cream.

**Avalanche.** Glistening white.

### Collection of Eight Varieties Marked \*

A. One pkt. each eight varieties .....\$1.00

B. One-half ounce each eight varieties ..... 2.50

C. One ounce each eight varieties ..... 3.50

Separately: Pkt. 15c., ½ oz. 35c., oz. 50c.

**Giant Waved Spencer Mixture.** Pkt. 15c., oz. 30c., ¼ lb. \$1.00,  
½ lb. \$1.50, lb. \$2.50.

## Early Flowering Spencer Sweet Peas

Best type for planting in the greenhouse. Seed sown in August will produce blooms from late December on. Planted outside, these varieties will bloom three weeks earlier than the Standard Spencer Sweet Peas.

**Blue Danube.** Clear deep blue.

**Cattleya.** Rich orchid.

**Fragrance.** Mammoth clear lavender.

**Bridesmaid.** Soft pink.

**Gloria.** Rich salmon pink.

**Eileen.** Rich bright rose.

**Sequoia.** Golden cerise.

**Suzanna.** Crimson red.

**Ball's Orange Imp.** Sunproof orange.

**Hope.** Large white. Waved.

Any of the above varieties: Pkt. 25c., ½ oz. 60c., oz. \$1.00.

**Choicest Mixture.** Pkt. 20c., oz. 75c., ¼ lb. \$2.00.



Sweet Peas grown in the Greenhouse



Garden Planting of Sweet Peas

# Annual Flower Seeds

## Tagetes

**Signata Pumila, Golden Ring.** 1 ft. A miniature, single flowering Marigold forming compact, round bushes. Flowers massed well above the delicate foliage. Will also grow well in semi-shade. Golden orange. Pkt. 25c.

## Tithonia

**Speciosa Fireball.** Finest of fall-flowering annuals. Fireball has brilliant orange-scarlet petals contrasting highly with the clear yellow centers. Plants grow 8 to 9 ft. high. Seed must be started early for best show. Pkt. 50c., 5 pkts. \$2.00.

**Speciosa.** This is the tall growing, large flowering strain, often growing 10 ft. in six months, from seeding. The brilliant, orange red flowers measure 3 in. across and may be cut with 3-ft. stems. For cut flowers, pick before the blooms are fully opened and they will last almost one week in water. Pkt. 25c., 5 pkts. \$1.00.

## Torenia

**Fournieri grandiflora.** Flowers resemble small Gloxinias. Best in partly shaded areas. Violet blue with yellow throat. Seed sown in March will bloom from July until frost. Pkt. 25c., 5 pkts. \$1.00.

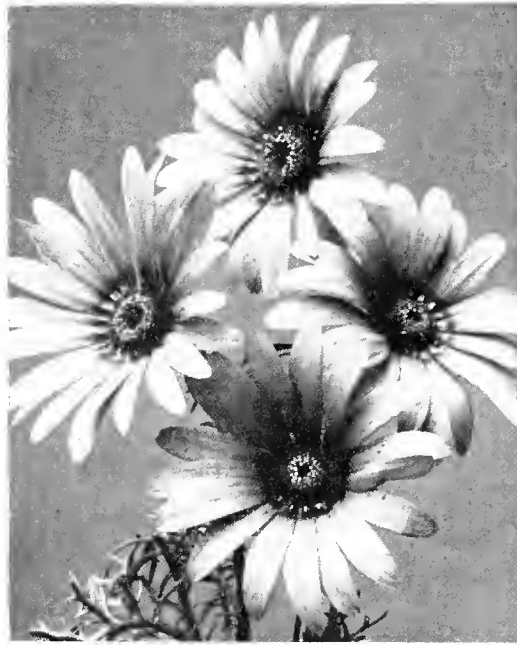
## Ursinia

### *Jewel of the Veldt*

Daisylike flowers of bright colors on wiry stems about 10 in. long. The foliage is light and finely cut. Seed should be sown in March or early April in the frame.

**Anethoides.** Deep orange with reddish purple center. Pkt. 25c., 5 pkts. \$1.00.

**Anethoides Hybrids.** Yellow, flesh and orange shades are found in this mixture. Pkt. 25c., 5 pkts. \$1.00.



Ursinia

## Venidium

**Fastuosum Hybrids.** The flowers resemble large annual Chrysanthemums. In this mixture will appear shades of white, cream, buff, lemon, yellow and orange. Each flower has a deep colored ring with black center. The plants grow upright with 10 to 15 blooms at one time and are about 12 in. in diameter. Fine for show and cutting. Sow seed early in a warm soil. Pkt. 50c., 5 pkts. \$2.00.

## Verbena

Unsurpassed for its brilliant colors these plants furnish continuous bloom all Summer. Hybridists have lately given us great improvements in the size of individual flowers, flower clusters, and colors. Use them for massing in the garden, as a border, and as a ground cover among Summer and Fall flowering bulbs. Seed sown in late February will produce blooms in June. Sow outdoors when the ground is warm.

**Improved Large-flowering.** Largest flowers on giant trusses.

**Etna.** Geranium red with cream yellow eye.

## Verbena—Continued

**Lavender Glory.** Large lavender with cream eye.

**Lucifer.** Vivid scarlet without any eye.

**Luminosa.** Luminous flame pink shading to salmon.

**Violacea.** Deep violet with white eye.

**White.** Largest white.

**Beauty of Oxford Hybrid.** Giant rose pink self.

**Collection:** One pkt. each above seven varieties, \$1.50

Separately: Pkt. 25c., ¼ oz. \$1.25

**Venosa** (Staghorn Verbena). Heliotrope purple flowers on very branching plants. Valuable in the rock garden or borders. Pkt. 15c.

**Venosa Lilacina.** Delicate lavender blue. Flowers completely cover the foliage. Pkt. 50c.

## Vinca

### *Madagascar Periwinkle*

Very ornamental, free blooming plants with dark green, handsome foliage. Seed must be sown in January or early February. Will bloom from June to frost. 1 ft.

**Pure White** Rose  
**White with Crimson Eye**  
Pkt. 15c., ¼ oz. \$1.00

## Virginian-stock

### *Malcomia Maritima*

A mixture of bright colors. The plants grow about 8 inches tall. Seed should be started early for early Summer bloom and a second sowing made outside in May to prolong the blooming season. Pkt. 15c., ¼ oz. 25c., oz. 75c.

## Viscaria

A dainty, very free-flowering annual, ideal for massing in beds or in the rock garden. Easily raised from seed. The flowers resemble wild Roses.

**Cardinalis.** 1 ft. Bright carmine.  
**Loyalty.** 8 in. A true Cornflower blue.  
Pkt. 25c., 5 pkts. \$1.00



Torenia



Vinca



Verbena



Venidium



Zinnia Linearis  
Scabiosa-flowered

## Zinnia

By far the most popular of all annuals. Invaluable in the garden and long-lasting as a cut flower. The various types give every desired height, color, and flower size. Be sure to try some of each strain. Seed germinates very quickly in warm temperatures so they may be either sown in the hotbed in March, in the coldframe in April, or outdoors in early May. All types bloom very quickly and continue until frost. Be sure to pinch out the center of each plant when they are 5 to 6 in. high to encourage sturdy branching plants.

### Giant Dahlia-flowered Zinnias.

Very large flowers on heavily branching plants. Although the flowers grow very large, they retain their grace because each petal curves toward the center, giving the flower a light appearance. This strain is a consistent prize winner.

**Canarybird.** Rich canary yellow.

**\*Crimson Monarch.** Deep crimson.

**\*Eldorado.** Salmon apricot.

**\*Exquisite.** Light rose, deep center.

**Luminosa.** Bright deep pink.

**\*Oriole.** Orange and gold.

**Polar Bear.** Creamy white, reverse side green.

**Dream.** Deep lavender.

**\*Purple Prince.** Deep purple.

**Scarlet Flame.** Bright scarlet.

**Mixed.** Complete color range.

**Collections:** One pkt. each five varieties marked \*, \$1.00

One pkt. ea. above varieties, \$1.75

Separately: Pkt. 25c., 1/4 oz. \$1.00

**Giant Double.** Large flowers with flat petals forming broad flower.

Crimson	White
Ruby Red	Golden Yellow
Salmon Rose	Burnt Orange
Deep Flesh	Purple

Scarlet

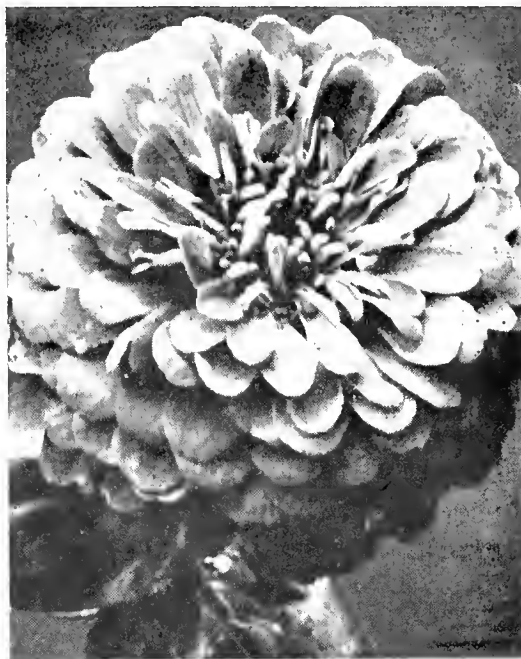
Collection:

Any five colors of above, 85c.

One each above nine varieties, \$1.50

Separately: Pkt. 20c., 1/4 oz. 60c.,  
oz. \$1.50

**Mixed Colors.** Pkt. 15c., 1/4 oz. 50c.,  
oz. \$1.25.



Dahlia-flowered Zinnia

### Zinnia—Continued

**Improved Lilliput.** 18 in. Full double miniatures.

Canary Yellow	Salmon Rose
Crimson Gem	Scarlet Gem
Golden Gem	Mixed

**Collection:** One pkt. each of above five colors, \$1.00

Separately: Pkt. 25c., 1/4 oz. 75c.,  
oz. \$2.00

**Zinnia Gaillardia Flowered.** Very attractive blooms, 2 inches across, closely resembling Annual Gaillardias. The color range runs through tones of rose, pink, bronze, yellow, orange, and lavender. Offered as a mixture. Pkt. 25c., 1/4 oz. 75c.

**Fantasy (Sunshine).** A bright colored mixture with twisted interlaced petals forming soft, shaggy, fully double flowers. Beautiful when cut and very attractive and interesting in the garden. Pkt. 25c., 1/4 oz. \$1.00.

**Picotée.** Pastel shades with deeper coloring at petal tips. Pkt. 15c., 1/4 oz. 75c.

### Zinnia—Continued

**Haageana, Brilliant Mixed.** Small flowers in shades of orange, yellow, and red. The flowers cover the bushy little plants. Many blooms have combinations of colors resembling Gaillardias. 18 in. Pkt. 25c., 1/4 oz. \$1.50.

**Linearis.** A dwarf early flowering, single Zinnia growing 10 in. high, with a spread of 2 ft. The color is deep golden orange with a yellow stripe and a dark center. The entire plant is a mass of bloom. Pkt. 35c., 3 pkts. \$1.00.

## Wallflower - Annual

**Double Early Wonder Mixed.** Superb strong spikes fully 2 ft. long. The colors in this mixture include primrose, yellows, brown, and deep maroon. Blooms in six months from seed. Pkt. 50c., 5 pkts. \$2.00.

**Single Annual Yellow.** Sow early in the hotbed. Pkt. 15c., 1/4 oz. 50c.

**Single Annual Mixed.** Mixture of yellows, browns, and reds. Pkt. 10c., 1/4 oz. 50c.

## Wild Cucumber Vine

### Echinocystis Lobata

A fast growing vine, reaching from 10 to 30 ft. Foliage is light green and is useful for covering objects or growing over fences. Free from attack by insects and diseases. Pkt. 10c., oz. 50c.

## Wild Garden Mixture

Particularly recommended for mass planting near the edges of woods, in fields, woodland drives and paths, and any other spots which are fairly sunny. This is a mixture of many cultivated annuals and will give a very desirable wild garden effect. Oz. 25c., 1/4 lb. 75c., lb. \$2.00, 5 lbs. \$8.00, 10 lbs. \$12.00.

## Xeranthemum

### Everlastings

**Double Annual Finest Mixed.** Plants grow about 3 ft. tall, producing flowers in clusters on long, wiry stems. The colors include white, pink, and purple. In mixture only. Pkt. 25c., 1/4 oz. 50c.



Dahlia-flowered



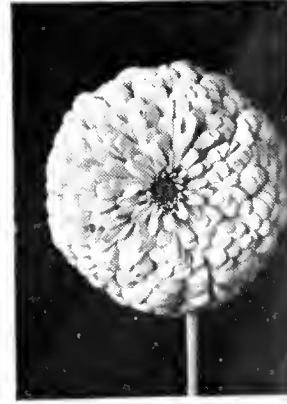
Haageana



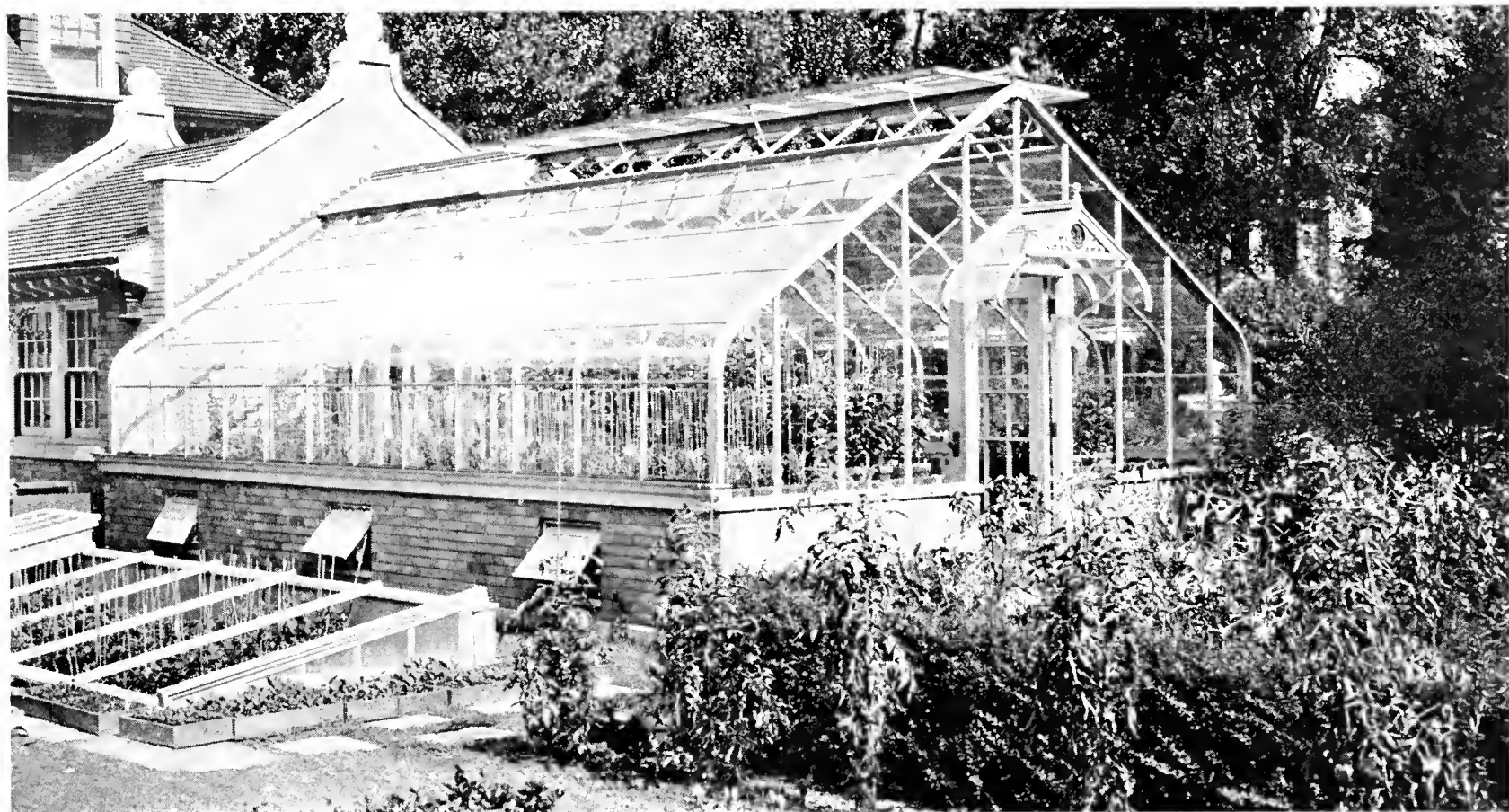
Fantasy



Lilliput



Double



# Flower Seeds for the Greenhouse

## Agathaea

### Blue Daisy

**Coelestis.** Sky blue Daisy type flower with yellow center. A pretty pot plant. Blooms all Winter. Pkt. 25c.

## Antirrhinum

### Snapdragon

A good subject for cut flowers. The varieties listed are for forcing only and produce large flower spikes on long stems. It takes about four months to produce blooming plants. 53-58 degrees.

**Afterglow.** Brilliant salmon.

**Ceylon Court.** Golden bronze.

**Cheviot Maid Supreme.** Dark rose pink. Early.

**Lucky Strike.** Best pure white.

**Roman Gold.** Deep golden yellow, lighter lip.

**Winter Helen.** Salmon pink. Early. Pkt. \$1.00 each

## Asparagus

53-58 degrees

**Plumosus nanus.** Feathery foliage.

**Sprengeri.** Fine cut foliage. Pkt. 25c. each

## Blue Laceflower

### Didiscus

**Caerulea.** Lacelike azure blue flowers for cutting. Allow three months to bloom. 50-55 degrees. Pkt. 25c.

## Calceolaria

**Large-flowering.** An excellent pot plant. In many shades. Sow in July for Christmas bloom. 45-53 degrees. Pkt. \$1.00.

## Calendula

Any variety may be grown but the colors are lighter than when grown outdoors. 50-53 degrees.

**Campfire.** Large flat flowers, ideal for cutting. Brilliant orange with scarlet sheen. Pkt. 20c.

**The Ball.** Best forcing variety. Orange. Bloom in three months. Pkt. 20c.

## Celosia - Cockscomb

Allow about 4 months for blooming. 53-55 degrees. 3 ft.

**Heatherdell Fiery Feather.**

**Heatherdell Golden Feather.**

Pkt. \$1.00 each, 3 pkts. \$2.00

## Cineraria

A moist, not too warm house will grow the best plants. Seed sown in the Summer will bloom in five months, Winter sowing takes six months. 45-50 degrees. 1 ft. high.

**Grandiflora nana, Semi-dwarf.**

Bushy plants with large flowers in this mixture.

**Separate Colors:**

**Dark Blue**

**Crimson**

**Light Blue**

**Old Rose**

Pkt. 50c. each

**Siters Rainbow Strain.** A prize winning strain of semi-dwarf habit with brilliant colors. Free blooming. A very fine pot plant. Pkt. \$1.50.

## Cyclamen

### (Binnewies Strain)

Cyclamen may be brought into bloom in from 9 to 20 months. For good sized plants, allow at least 12 months. The small plants may be carried over Summer outdoors in the frame if they are kept moist. 52-55 degrees.

**Bonfire.** Brilliant salmon.

**Dark Blood Red**

**Salmon Dark**

**Pure White**

**Salmon Light**

**White, Carmine Eye.**

**Mixed.**

Pkt. 50c. each

# Flower Seeds for the Greenhouse

## Exacum

**Affine atrocaeruleum.** Masses of deep lavender flowers on plants 8 in. high. Blooms in 4 months. 53-58 degrees. Pkt. 50c.

## Fuchsia

**Dwarf Double Early Flowering.** Blooming in five months from seed. 53-58 degrees. Pkt. \$1.00.

## Gerbera - Hybrids

Use a sandy soil with bottom heat. The fuzzy end of seed should be just above the soil surface. Plants may be carried outside over Summer. Crowns should be split at least every third year. 55-60 degrees.

**Coral Shades**      **Red Shades**  
**Rose Shades**      **Yellow Shades**  
                 **Mixed Colors**  
                 Pkt. 50c. each

## Gloriosa

**Superba rothschildiana.** See page 50 for description and culture.

## Gloxinia

**Gigantea.** Large, trumpet-shaped flowers in rich colors. Fall blooming, the seed should be sown about February in a warm greenhouse. Pkt. 50c.

## Grevillea - Silk-oak

**Robusta.** A lovely foliage plant resembling a midget tree with decorative, fernlike leaves. 53-55 degrees. Pkt. 25c.

## Hunnemannia

**Sunlite.** Bright yellow, Poppylike flowers with double row of petals. Bloom in 10 to 12 weeks in a cool house. Grow in pots or in the bench. Temperature 50 to 55 degrees.

## Larkspur

An easily grown annual, invaluable for cutting. Blooms in 8 to 10 weeks. Bench plants 1 ft. apart. Temp. 50 to 55 degrees. Sow in late January for Easter crop.

**Blue Spire.** Violet blue.

**Lilac Spire.** Lilac blue.

**White Spire.** Pure white.

**Exquisite Pink.** Soft salmon.

**Exquisite Rose.** Rose pink.

**Formula Mixture.**

Pkt. 25c.

## Leptosyne

**Stillmani.** Golden yellow. Coreopsis-like flowers on 15-in. stems. Seed sown in January will bloom in early April. Good for pot or cutting. Pkt. 25c.

## Lupin (Annual)

Very easy to grow and fine for pot plants and cutting. For pots, sow five to six seed in each pot and thin to three plants, or bench 1 foot apart. Blooms in about three months. Temperature 48 to 55 degrees.

**King Blue**      **King White**  
**King Sky Blue**      **King Mixture**  
                 Pkt. 25c.

## Mignonette

**Ball's Forcing.** Blooms in 4 months at 48 to 50 degrees in a soil with good drainage. Use great care if they are to be transplanted, as the roots will not stand being disturbed. Sweet-scented. Pkt. 50c.

## Mimosa

**Pudica** (Sensitive Plant). Small plants in two months from seed. 48-58 degrees. Pkt. 25c.

## Nasturtium

**Golden Globe.** Makes a lovely pot plant with double, sweet-scented flowers on compact, globe-shaped plants. Use a poor soil and plants will bloom in six to eight weeks in a warm temperature. Pkt. 15c.

**Gem Varieties.** Perfect ball-shaped plants with double sweet-scented blooms.

**Orange Gem**      **Mahogany Gem**  
**Scarlet Gem**      **Salmon Gem**  
                 Pkt. 25c.

## Primula - Primrose

Primula plants require a moist atmosphere and will thrive in almost any good garden soil with plenty of drainage in each pot. Plants bloom in 6 to 10 months from seed. Shade during Summer months. Keep plants well spaced at all times. 50-55 degrees.

**Obconica gigantea.** Large flowers.

**Atrosanguinea.** Deep crimson.

**Caerulea.** Heavenly blue.

**Lilacina.** Deep lilac.

**Rosea.** Rose pink.

**Mixed.**

Pkt. 50c. each

**Malacoides** (Baby Primrose).

**Lilac**      **Alba**      **True Rose**  
                 Pkt. 30c. each

**Sinensis gigantea.** Large fringed flowers. Pkt. 50c.

## Schizanthus

### Poor Man's Orchid

**Wisetonensis.** Masses of large, Orchidlike flowers over finely cut, feathery foliage. Blooms in about four months from seed at 50 degrees to 55 degrees. Pkt. 50c.

## Stevia

**Serrata.** Graceful sprays of small, white-clustered flowers. For cutting only. 50-60 degrees. Pkt. 15c.

## Stocks

### MAMMOTH COLUMN FORCING

While any variety of stocks maybe forced under glass, we particularly recommend this strain for long stems and large spikes of flowers. When transplanting, do not discard the weaker plants as they produce the double flowers. Blooms in 12 weeks from seeding time. 53-58 degrees.

**Pure White**      **Blood Red**  
**Chamois Rose**      **Moonlight**  
**Silvery Lilac**      **Purple**  
                 **Choicest Mixed**

### Collection:

**One pkt. each above six colors, \$1.25**

Separately, pkt. 25c.

**For Other Types**—see page 18.

## Streptocarpus

**Monarch Strain.** Greenhouse perennial blooming in five to six months. Flowers are borne in sprays on stems 12 in. long, resembling wide open, Gloxinialike blooms with Orchidlike lips. Needs a good compost soil with some rotted manure and sand added. An excellent pot plant. Temperature 53 to 58 degrees. Pkt. \$1.50.

## Sweet Peas

**Early-flowering Spencer Varieties** are the best for forcing. Grow in a cool house at 48-53 degrees. Seed sown in early August will bloom from December through the Winter. See page 19 for listing of varieties.

## Venidium

**Fastuosum Hybrids.** This is a startling pot plant subject as well as a valuable cut flower. As many as 15 blooms grow on a plant at one time. Pkt. 50c.

## Wallflower

**Early Wonder.** Seed should be started in May or June, grown outdoors, lifted just before frost and planted in the bench or in pots. Temperature 45-53 degrees. Pkt. 50c.

*We can supply rooted cuttings and small pot plants for growing on in the greenhouse. Let us quote prices.*

# Hardy Perennial



*Achillea*



*Anchusa*



*Aquilegia Clematiflora*

Most herbaceous perennial plants bloom the second year from seed. Their growth is similar to annuals in that they have soft rather than woody stems as seen on shrubs. The major portion of bloom is in the Spring and Fall so that selecting some varieties which bloom in the Summer is advisable. Plan to grow some additional annuals to fill in the spaces left vacant by very early, short blooming perennials. Summer-flowering bulbs such as Gladioli will help to keep the border filled with bloom all Summer.

It is advisable to start seed of perennials in the Spring so that the seedling plants will be well started before hot, dry weather begins.

A few dollars worth of seed will produce many dollars worth of plants and supply your garden with a variety of material covering the entire season with all the charming colors found in this group.

Varieties marked (R) are desirable in the rock garden as well as in the border.

## *Achillea* - Yarrow

**Millefolium rubrum.** Flower clusters of reddish pink. Blooms in June and July. 2 ft. Pkt. 25c.

**Ptarmica, The Pearl.** Clusters of white flowers in June and July. 2 ft. Pkt. 25c.

## *Aconitum*

### *Monkshood*

The flowers and plants greatly resemble Delphinium except that the foliage is a bit heavier. Prefer semi-shade to full sun.

**Napellus.** Dark blue flowers on tall spikes. July and Aug. 4 ft. Pkt. 25c.

**Wilsoni.** Deep violet blue. 6 ft. Pkt. 50c.

## *Agrostemma*

### *Rose Campion*

**Coronaria atrosanguinea (R).** Large single, deep, blood red flowers and woolly silver foliage. July and Aug. 2 ft. Pkt. 15c.

## *Alyssum* - Golddust

**Rostratum (R).** Dense cluster of golden yellow flowers. June, July. 1 ft. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.00.

## *Anchusa*

**Italica, Feltham Pride.** Compact, base branching with bright blue flowers. June. 4 ft. Pkt. 50c.

**Myosotidiflora (R).** Medium blue Forget-me-not like flowers on much-branched sprays. April and May. 18 in. Pkt. 25c.

## *Anemone*

**Pulsatilla (R).** Violet purple, Tulip-like flowers. April and May. 9 in. Pkt. 25c.

**Sylvestris (R).** Pure white, sweet-scented. 1 ft. Pkt. 25c.

## *Aquilegia* - Columbine

Excellent for semi-shaded places. The large, long-spurred blooms are fine for show and cutting.

**Clematiflora.** Unique in that the blooms are spurless, closely resembling Clematis. A mixture containing many colors, with blue and pink predominating. May and June. 2 ft. Pkt. 50c.

**Improved, Long-spurred Hybrids**  
**Sulphur Queen.** Soft sulphur yellow.  
**Snow Queen.** Pure white.

**Lemon Queen.** Lemon yellow.

**Crimson Star.** Blood crimson, white corolla.

**Copper Queen.** Copper red, yellow corolla.

**Blue Shades Improved.** Huge flowers, long spurs.

**Delicatissima.** Light rose, cream yellow corolla.

**Wild Rose.** Rose pink, white corolla.

**Collection: One each of above eight varieties, \$2.50**

Separately, pkt. 35c.

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# Flower Seeds

## Aquilegia—Continued

**Long-spurred Hybrids, Mixed.** A carefully blended mixture. Pkt. 25c., 5 pkts. \$1.00.

**Alpina (R).** Dwarf powder blue. May and June. 1 ft. Pkt. 25c.

**Clematiflora.** Large flowers with no spurs, closely resembling Clematis blooms. Pkt. 50c.

## Arabis - Rockcress

**Alpina (R).** Masses of pure white flowers. April and May. 9 in. Pkt. 15c.

## Armeria - Sea Thrift

**Formosa, Large Flowering Hybrids (R).** Large, full, ball-shaped flower heads from light pink to crimson. June, July and Sept. 16 in. Pkt. 50c., 5 pkts. \$2.00.

**Maritima splendens (R).** Deep pink. Major bloom in Spring and continuing intermittently until Fall. 1 ft. Pkt. 25c.

## Aster

Very pretty and extremely useful for blooms in the Spring and Fall. The dwarf varieties are lovely in the rock garden.

**Subcaeruleus.** Lilac blue. Sept., Oct. 18 in. Pkt. 15c.

**Subcaeruleus, Wartburg Star (R).** Lavender blue with yellow center. Flowers are 4 in. across. May, June. 24 in. Pkt. 25c.

**Alpinus (R).** Light blue. May, June. 1 ft. Pkt. 25c.

**Alpinus, Goliath (R).** Soft blue with large flowers. May, June. 18 in. Pkt. 50c.

**Alpinus superbus (R).** Bright blue. May, June. 12 in. Pkt. 25c.

## Aubrietia

**Leichtlini (R).** Deep rose pink. April, May. 6 in. Pkt. 25c.

**Graeca superba (R).** Lilac blue with large flowers. April, May. 6 in. Pkt. 25c.

## Bellis Perennis

### English Daisy

A biennial which must be started each year from seed. Useful for combining with Pansies and Forget-me-nots. April, June. 5 inches.

**Monstrosa.** Large, double flowers. Red, White, Rose, Mixed Pkt. 25c., 1/8 oz. \$1.25

## Campanula

With their great variation in size and blooming periods, Campanulas may be seen in the garden from early Spring until late Fall. See page 40 for annual varieties for Fall blooming. Campanula Medium varieties and Medium Calycanthema should be sown each Summer as they are biennials, all other varieties listed are perennial.

**Medium (Canterbury-bells).** Single. June-July. 3 ft.

Blue	Lilac	White
Rosy Carmine	Mixed	

**Collection: One pkt. each above four colors, 50c.**

Separately: Pkt. 15c., 1/4 oz. 50c.

**Medium calycanthema (Cup-and-saucer.)** Single. June-July. 3 ft.

Blue	Lilac
Rosy Carmine	White
Mixed	

**Collection: One pkt. each above four colors, 75c.**

Separately: Pkt. 25c., 1/8 oz. \$1.00

**Persicifolia (Peachbells).** June-July. 3 ft.

Alba	Blue
Telham Beauty.	Soft lavender.
Pkt. 25c. each	

**Pyramidalis (Chimney Bellflower).** Aug.-Sept. 4 ft.

Alba	Blue
Pkt. 25c. each	

**Carpatica (Carpathian Harebell) (R).** June-Sept. 1 ft.

Blue	Alba
Pkt. 15c. each	

**Rotundifolia (Scotch Harebell) (R).** Pale blue flowers from June to Aug. 12 in. Pkt. 25c.

**Fragilis.** Light blue flowers, 6 in. high, long, spreading branches. Also pretty in hanging baskets. June-Aug. Pkt. 50c., 5 pkts. \$2.00

## Carnation

**Double Hardy Border.** May-July. 1 ft.

Salmon Shades	Vienna White
Yellow	Vienna Rose
Othello.	Dark crimson.

**Collection: One pkt. each above five colors, \$1.00**

Separately, pkt. 25c



Arabis Alpina



Armeria



Campanula

# Hardy Perennial Flower Seeds



Shasta Daisy



Coreopsis



Delphinium

## Centaurea

**Montana** (Perennial Cornflower)  
Cornflower blue blooms on plants  
2 ft. high. June-Sept. Pkt. 25c.

## Cephalaria

**Alpina.** A very decorative plant for background planting. The flowers resemble Scabiosa and are a good shade of yellow. The plants are fine for show in the garden and the flowers are excellent for cutting. July-Aug. 5 ft. Pkt. 25c.

## Cerastium

**Tomentosum** (Snow-in-summer).  
Masses of white, star shaped flowers and silvery foliage. May-June. 6 in. Pkt. 25c.

## Chelone

See Pentstemon

## Chrysanthemum

**Shasta Daisy, Single.** Very large, pure white flowers with small disk. May-Sept. 2½ ft. Pkt. 15c., ⅛ oz. 60c.

**Shasta Daisy, Double.** Pure white flowers with petals interlaced, giving a loose effect which is lovely. May-Sept. 2½ ft. Pkt. 35c., 3 pkts. \$1.00.

**Mawi (R).** Large pink, single, Daisy-like flowers 2 in. across. Silvery foliage. Spring. 1 ft. Pkt. 50c.

**Korean Hybrids from Seed.** We have the privilege of introducing this item for the first time. See page 41. Pkt. \$1.00, 6 pkts. \$5.00.

## Cyclamen

**Europaeum, Hardy (R).** Rose purple flowers blooming in August, growing only 4 in. high. Pkt. 50c.

## Coreopsis

Bright masses of yellow, Cosmoslike flowers on bushy plants, 3 feet tall. The main bloom is in June. If the flowers are kept cut, they bloom all Summer. Fine for cutting and very effective in the garden.

**Mayfield Giants.** Large flowers of deep golden yellow. Pkt. 15c., ⅛ oz. 50c.

**Lanceolata.** Bright yellow. Pkt. 15c., ⅛ oz. 50c.

## Delphinium

One of the easiest of all perennials to grow. They give a wealth of bloom to the garden during June and July and again in September. They like a loose-textured sweet soil with plenty of well rotted barnyard manure. Fine plants depend upon sun and good circulation of air. Mature plants should stand at least 2 feet apart. After blooming, cut the stems to about 2 inches above ground level, using care not to damage the new growth which has already started. It is this second growth which produces the Fall bloom.

**Wrexham Varieties.** This strain is very highly hybridized and will produce enormous tapering spikes with individual flowers often 2½ inches across. Our experience has been that the named varieties do not come more than 10% true to name. For this reason, we offer the seed to color only.

**Deep Blue** **Mid-Blue**  
**Light Blue** **Mixed**

**Collection: One pkt. each above three colors, \$2.50**

Separately: Pkt. \$1.00, 6 pkts. \$5.00

**Wrexham Varieties.** Seed from hand pollinated flowers. Considered by experts to be the finest Delphinium today. **Light Blue and Mauve shades. Dark Blue and Violet shades. White.** Each \$2.00, 3 pkts. \$5.00.

**Belladonna.** Light blue, tubular spikes. 4 ft. Pkt. 25c.

**Bellamosa.** Deep blue. 4 ft. Pkt. 25c.

**Summer Cloud.** Pure white flowers. 6 ft. Pkt. 50c.

**Gold Medal Hybrids.** A beautiful mixture of blue shades. Pkt. 25c., ⅛ oz. \$1.00.

**Zalil.** Citron yellow blooms resembling spray Orchids. 3 ft. Pkt. 75c.

**Nudicaule.** Dwarf scarlet with peach red interior. 2 ft. Pkt. 50c.

**Chinensis.** Seed should be sown each year. 15 in.

**Azure Fairy.** Azure blue. Pkt. 25c., ¼ oz. \$1.50.

**Blue Butterfly Improved.** Ultramarine blue. Pkt. 25c., ¼ oz. \$1.50.

## Dianthus

### Garden Pinks

**Plumarius, Single Finest Mixed.** (Clove Pinks). June-July. 18 in. Pkt. 15c., ¼ oz. 50c.

**Plumarius, Double and Semi-double.** Double form of above. Pkt. 25c., ¼ oz. \$1.00.

**Deltoides, Brilliant** (Maiden Pinks) (R). Bright crimson. June-July. 8 in. Pkt. 25c.

**Allwoodi (R).** Carnation crossed with Garden Pinks. Large flowers. 1 ft. Pkt. 75c.

**Allwoodi alpinus (R).** Dwarf form of above. 6 in. Pkt. 75c.

# Hardy Perennial Flower Seeds

## Dianthus—Continued

**Sweet Wivelsfield (R).** Flowers in clusters like Sweet-william, but with large, individual blooms throughout the Summer. 12 in. Pkt. 25c., 1/8 oz. \$1.00.

**Superbus, Loveliness (R).** Very sweet scented. Large, lacelike lilac pink flowers. June-July. 15 in. Pkt. 75c.

**Delight (R).** A profuse and continuous bloomer with flowers carried on alternating spikes. Large, individual blooms from pale pink to deep purple. 9 in. Pkt. 75c., 3 pkts. \$2.00.

## Digitalis - Foxglove

Large, bell-shaped flowers carried on long spikes. Will grow in either sun or shade. Height 4 to 5 feet, blooming in June and July.

**Gloxinioides.** Spotted throats.

**Purple**

**Rosea**

**Alba**

**Isabellina.** Yellow

**Collection:** One pkt. each above four colors, 50c.

Separately, pkt. 15c.

**Canariensis.** Pure yellow. Pkt. 50c., 5 pkts. \$2.00.

**Hybrida lutzii.** Salmon pink. Pkt. 25c., 1/8 oz. \$1.00.

**The Shirley, Giant-flowering Mixture.** Pkt. 25c., 1/8 oz. \$1.00.

**Monstrosa, Mixed.** Campanulalike flower on tip of spike. Pkt. 25c., 1/8 oz. \$1.00.

## Dodecatheon

**Media (Shootingstar) (R).** Reddish purple with orange eye. Cyclamen-like flowers 1 ft. high. Pkt. 25c.

## Doronicum

### Leopardbane

**Caucasicum magnificum (R).** Yellow, large, Daisylike flowers blooming in April and May. 18 in. Pkt. 75c., 3 pkts. \$2.00.

## Echinops

### Globethistle

**Ritro.** Soft blue, thistlelike flowers blooming from June to Sept. 3 ft. Pkt. 25c.

## Edelweiss

### Leontopodium

**Alpinum (R).** Star-shaped white flowers. 6 in. Pkt. 50c.

## Erigeron

**Hybridus grandiflora.** Lilac-colored, Asterlike flowers. July, Aug. 2 1/2 ft. Pkt. 25c.

## Erinus

**Alpinus (R).** Rosettes of reddish purple flowers. May, June. 4 in. Pkt. 25c.

## Eupatorium

### Perennial Ageratum

**Coelestinum.** Blue purple flowers in clusters like Ageratum. Aug. to frost. 2 ft. Pkt. 50c.

## Gaillardia

### Blanketflower

Lovely for cutting and showy in the garden from June to frost. Plant in full sun, allowing plenty of room for these bushy plants.

**Bremen.** Dark copper red, brown center, tipped yellow 2 ft.

**Maxima aurea.** Large golden yellow. 2 ft.

**Semi-double Hybrids.** Superb giant flowers. 2 ft.

**Prize Strain.** Single flowering, giant blooms. 2 ft.

Each: Pkt. 25c., 5 pkts. \$1.00

**Goblin (R).** Bright yellow flower with deep red zone. Bushy, compact plants 16 in. high. July-Oct. Pkt. 50c.

## Gentiana

It is important that the soil be well drained. Gentians grow best on rocky slopes in semi-shaded locations.

**Acaulis (R).** Stemless trumpets of deepest blue, blooming in the Spring and Fall. 4 in. Pkt. 50c.

**Cruciata (R).** Deep blue flowers in clusters. 8 in. Pkt. 50c.

## Geum

Pretty in the rock garden and may be used for cutting. Grow best in sunny spots. Semi-double flowers from May to September.

**Mrs. Bradshaw (R).** Scarlet red. 1 ft. Pkt. 15c.

**Lady Stratheden (R).** Rich golden yellow. 1 ft. Pkt. 25c.

**Prince of Orange (R).** Golden orange. 1 ft. Pkt. 50c.

## Gypsophila

### Babysbreath

**Paniculata.** White. July, Aug. 3 ft. Pkt. 15c.

**Paniculata florepleno.** Double white form. Pkt. 50c.

**Pacifica.** Single pale pink. Bushy. July, Aug. 3 ft. Pkt. 50c.

**Repens (R).** Creeping habit. White. June, July. Pkt. 25c.

**Repens rosea (R).** Pink form of above. Pkt. 25c.



Digitalis



Erigeron



Gaillardia

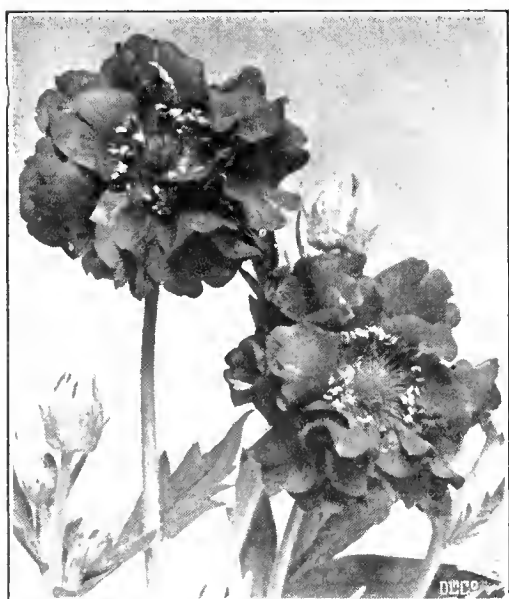
# Hardy Perennial Flower Seeds



Iberis



Linum



Geum (See page 27)

## Helenium

### Sneezeweed

Excellent for Fall flowers in the garden and for cutting. Good as a background.

**Riverton Gem.** Crimson and old gold. Sept. 4 ft. Pkt. 25c.

**Autumnale nanum praecox.** Early dwarf hybrids. This mixture includes shades of yellow, bronze and deep crimson. Pkt. 50c.

## Heliopsis

**Double Golden Yellow.** Lovely Zinnialike blooms on bushy plants 3 ft. high. June, Sept. Pkt. 25c.

## Hesperis

### Sweet Rocket

One of our most fragrant flowers adapted to sun or partial shade. The blooms are borne in clusters on stems 3 feet high. June, September.

**Matronalis,** purple

**Matronalis,** white

Each, pkt. 15c.

## Heuchera - Coralbells

**Sanguinea splendens.** Bright coral red bells on spikes 2 ft. high. Pkt. 25c.

## Hibiscus

### Rose Mallow

**Grandiflora.** Flowers resemble enlarged single Hollyhocks in a delightful rose shade. July, Sept. 4 ft.

**Pink** **Rose** **Red**

**White, Crimson Eye.**

Pkt. 25c.

## Honesty

See Lunaria

## Hollyhocks - Althaea

The old-fashioned garden favorite for planting in the border and in front of fences and walls. They grow 5 to 7 feet high and include a wide range of colors.

**Chater's Double.**

**Chamois**

**Maroon**

**Newport Pink**

**Salmon Rose**

**Sulphur Yellow**

**Finest Mixed**

**Collection:** One pkt. each above five colors, \$1.00

Separately: Pkt. 25c., 1/8 oz. 75c.

## Hollyhocks—Continued

### Single-flowering.

**Chamois**

**Maroon**

**Pink**

**Rose**

**White**

**Yellow**

**Collection:** One pkt. each above six varieties, \$1.00

Separately: Pkt. 20c., 1/8 oz. 50c.

**Imperator.** Very large, fringed flowers, 6 in. across, with a double rosette center resembling crested Begonias. Pkt. 25c., 1/8 oz. \$1.00.

## Iberis

### Perennial Candytuft

**Sempervirens.** Glistening white. May, June. 1 ft. Pkt. 25c.

**Gibraltarica.** White tinged rose. May, June. 1 ft. Pkt. 25c.

**Gibraltarica Hybrids.** Dwarf form. 10 in. Pkt. 25c.

## Lathyrus

### Perennial Sweet Pea

Beautiful clusters of Sweet Pea flowers on vines growing about 6 feet long. Require full sun.

**Pink Beauty**

**White Pearl**

Pkt. 25c., 1/4 oz. 75c.

## Lavandula

### Sweet Lavender

**Vera Munstead.** Delightfully scented blue-flowering herb. July, Sept. 18 in. Pkt. 15c.

## Leontopodium

See Edelweiss

## Liatris - Blazing-star

**Spicata.** Purple rose closely set flowers on heavy spikes. Aug., Sept. 4 ft. Pkt. 25c.

## Linaria - Toadflax

**Alpina (R).** Purple with an orange lip. Lovely in the rock garden. Summer blooming. 6 in. Pkt. 50c.

## Linum - Flax

The foliage is very thin and airy, the flowers are very graceful and present the appearance of a small, feathery bush. May, August.

**Heavenly Blue.** Bright blue. 18 in. Pkt. 25c.

**Gold Cup.** Yellow. 1 ft. Pkt. 25c.

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## Lobelia

**Cardinalis** (Cardinalflower). Brilliant red. Aug. 3 ft. Pkt. 25c.

## Lunaria - Honesty

**Crimson.** Crimson flowers and silvery seed pods. Pkt. 15c.

**White.** White flowers and silvery seed pods. Pkt. 15c.

## Lupinus

**Russell Lupins.** This is the outstanding plant being offered from seed in 1938. You will be thrilled with the marvelous colorings and rich exotic blendings in scores of shades and colors. Other outstanding features are the length and symmetry of the spikes; the bold, closely placed florets; the wide, fanlike back standards and large keels, and the fact that the spikes hold their florets from top to bottom during development. Never plant Lupins in newly manured ground and only transplant Lupins in the Spring. Seed offered in mixed colors. *Originator's stock.* Pkt. \$1.00, 6 pkts. for \$5.00.

**Polyphyllus** (Lupin). Very effective in masses in the border, beside streams, and along woodland paths. They grow easily in partial shade or full sun. Plants grow from 2 to 5 ft. in good soil and bloom throughout May and June.

**Blue Yellow White Rose Collection:** One pkt. each above four colors, 75c.

Separately, Pkt. 20c.

**Harkness Regale Hybrids.** Beautiful mixture of art shades. Pkt. 20c., ¼ oz. 75c.

## Lychnis

### Maltese Cross

**Haageana.** Single orange scarlet flowers shaped like the Maltese cross. May, Aug. 1 ft. Pkt. 25c.

## Lythrum - Loosestrife

**Roseum superbum.** Bright rose flowers on long flower spikes. July, Sept. 4 ft. Pkt. 15c.

## Michauxia

**Campanuloides Improved.** The waxy white flowers greatly resembling the climbing Lily Gloriosa Superba, are borne in great profusion not only from the ends of the branches but also from the axils of the stems. A hardy biennial growing 5-6 ft. Pkt. 35c., 3 pkt. \$1.00.

## Myosotis

### Forget-me-nots

**Palustris.** Light blue. Pkt. 25c., ¼ oz. \$2.00.

**Palustris semperflorens.** Light blue. June to Oct. Pkt. 25c., ¼ oz. \$2.00.

## Nepeta

**Mussini, Souv. de Andrea Chadron.** Deep lavender flowers in masses during Midsummer. 6 in. Pkt. 50c.

## Pansy

See page 17

## Pentstemon

### Beardtongue

A worthy subject for the border and for cutting. The beautiful, trumpet-shaped flowers produce a great variety of colors with hairy throats. The bushy plants grow 3 feet high.

**Giganteus.** New giant hybrids. Large flower spikes. Pkt. 25c.

**Barbatus torreyi.** Small bright scarlet flowers on slender spikes. July, Aug. 3 ft. Pkt. 25c.

## Physostegia

**Virginiana** (False-dragonhead). Delightful, tube-shaped flowers similar to tiny Snapdragons, forming long, graceful spikes on plants 2 ft. high. Blooms start in July and last through Sept.

**Giganteum** (R). Mauve pink. Pkt. 25c.

**Alba** (R). Pure white. Pkt. 25c.

## Platycodon

### Balloonflower

**Grandiflora.**

**Blue.** Blue, bell-shaped flowers. July, Oct. 2 ft.

**Alba.** Pure white form.

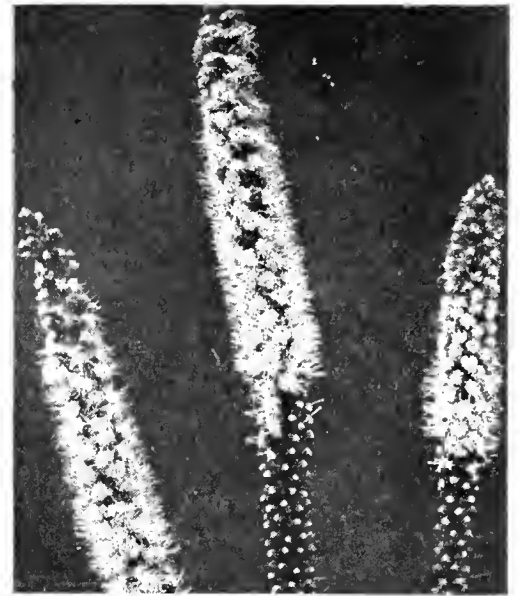
**Dwarf Blue** (R). Blue flowers 1 ft. high. July, Oct.

Each, pkt. 25c.

## Polemonium

### Jacob's Ladder

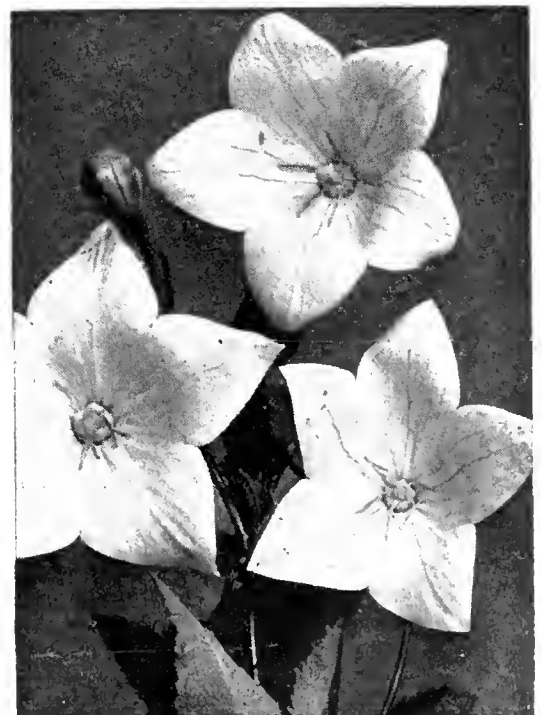
**Caeruleum** (R). Bushy plants with sky-blue flowers on spikes 2 ft. high. April, May. Pkt. 15c.



Liatris



Russell Lupin



Platycodon

# Hardy Perennial Flower Seeds



Oriental Poppy



Double Pyrethrum



Rudbeckia

## Poppy - Papaver

Perennial Poppies are divided into two important groups—Iceland (*Nudicaule*) and Oriental (*Orientalis*). The Iceland Poppies grow about 12 in. high, with paperlike flowers borne on thin, wiry stems. They bloom all Summer and are used in the rock garden and foreground of the hardy border. Oriental varieties bloom during May and June, growing about 3 feet high.

### Iceland (*R*).

**The Emperor.** Broad, overlapping fluted petals of orange red. 18 in. stems. Pkt. 25c.

**The Empress.** Lovely shades of salmon rose. Pkt. 25c.

**Coonara Pink.** Rose pink tinted salmon. Pkt. 25c.

**Gartref Hybrids.** Delicate shades with picotee markings. Pkt. 25c.

**Amurenses (Golden Wonder).** The flowers are bright buttercup yellow measuring almost 4 inches across and carried on wiry stems 24 inches long. Flowers all Summer. Pkt. 35c., 3 pkt. \$1.00.

### Oriental.

**Red.** Brilliant red, black centre.

**Flesh Pink**

**Queen Alexandra.** Salmon.

**Finest Mixed.** All colors. Pkt. 15c.

## Primula - Primrose

These plants thrive best in a sheltered semi-shaded place and prefer a moist soil. They are very effective planted beneath hedges and at the edge of woodlands and streams.

**Veris kleyni (*R*).** Strong stems, 8 to 12 in. with large flower heads of 15 to 25 florets. Rich golden yellow shading to apricot toward center. Pkt. \$1.00.

**Veris (English Cowslip) (*R*).** Yellow. April, June. Pkt. 20c.

**Veris, Red Shades (*R*).** Large flower clusters. Pkt. 20c.

**Veris polyanthus (*R*).** Bunch-flowered Primrose. Mixed colors. Pkt. 20c.

**Vulgaris (English Primrose) (*R*).** True yellow. Pkt. 20c.

**Auricula (*R*).** Dark shades with conspicuous eye. Pkt. 20c.

**Beesiana (*R*).** Velvety purple flowers in whorls, with yellow eye. 2 ft. Pkt. 20c.

**Denticulata (*R*).** Full, rounded heads of soft violet flowers. 10-12 in. April and May. Pkt. 25c.

**Florindae (*R*).** Yellow. 3 ft. Pkt. 50c.

## Pyrethrum

### Painted Daisy

Large, Daisylike flowers on plants 2½ feet high blooming in the Spring and Summer. Very showy and giving a wealth of cut flowers.

### Single Giant-flowering.

**Rubrum**

**Rose**

**White**

**Mixed**

Each, pkt. 25c.

### Giant Double Hybrid.

**Blood Red**

**Pink**

**White**

**Mixture**

Each, pkt. 50c.

## Romneya

### California Treepoppy

**Coulteri.** Flowers resemble white single Peonies. Late June to Sept. 4 ft. Pkt. 25c.

## Rudbeckia

### Coneflower

**Neumannii (Speciosa).** Orange yellow, dark cone. June, Oct. 2 ft. Pkt. 25c.

**Purpurea (Echinacea).** Purple. June, Oct. 3 ft. Pkt. 25c.

## Salvia

**Azurea Grandiflora.** A profusion of light azure blue flowers on tall, slender spikes. Aug., frost. 3 ft. Pkt. 25c.

**Pratensis atrovioacea.** Deep violet blue. Late Summer. 18 in. Pkt. 25c.

## Saponaria

**Ocymoides (*R*).** Bright pink flowers all Summer on trailing plants. 12 in. Pkt. 15c.

## Saxifraga

**Hybrida, Flower Carpet (*R*).** Bright carmine flowers on plants 6 in. high. April, June. Pkt. 50c.

## Scabiosa

**Caucasica Giant Hybrids (*R*) (Isaac House).** Fringed and ruffled blue shades on long stems. June, Sept. 2 ft. Pkt. 50c.

**Columbaria Pink (*R*).** Delicate pink. June, Sept. 2 ft. Pkt. 25c.

## Sedum - Stonecrop

**Acre (*R*).** Golden yellow creeper. 3 in. Pkt. 25c.

**Spureum roseum (*R*).** A trailing, dark green ground cover with deep pink flowers. Pkt. 35c.

**Spectabile (*R*).** Showy pink flowers in clusters on upright plants. Sept. 1 ft. Pkt. 50c.

# Hardy Perennial Flower Seeds

## Sempervivum

### Hen-and-chickens

**Perennial Species Mixed (R).** Small, rosettelike plants producing numerous plants around the base, hence the common name. Pkt. \$1.00.

## Sidalcea

**New Hybrids.** Flowers in lovely pink shades carried on spikes 3 ft. high. June, Sept. Pkt. 25c.

## Silene - Catchfly

**Alpestris (R).** Glistening white flowers on stems 6 in. high. June, Aug. Pkt. 25c.

**Schafta (R).** Deep rose flowers on trailing plants 6 in. high. Fall blooming. Pkt. 25c.

## Statice - Sea-lavender

**Latifolia.** A profusion of small, lilac-blue flowers. Aug., Sept. 2 ft. Pkt. 25c.

## Stokesia

### Cornflower Aster

**Cyanea (R).** Light blue, Asterlike flowers from July to October. 16 in. Pkt. 25c.

## Sweet Rocket

See *Hesperis*

## Sweet-william

### *Dianthus barbatus*

**Reselected Large-flowering Strain.** Summer blooming. 2 ft.

<b>Pure White</b>	<b>Copper Red</b>
<b>Deep Maroon</b>	<b>Wine Red</b>
<b>Auricula-eyed</b>	<b>Newport Pink</b>
<b>Scarlet Beauty</b>	<b>Deep Rose</b>

**Holborn Glory.** A large-flowered mixture.

**Collection: One pkt. each above eight colors, \$1.25**

Separately: Pkt. 20c., 1/4 oz. 60c.

## Thalictrum

### Meadowrue

**Aquilegifolium.** Rose pink flowers. Feathered, Columbine-like foliage. Aug., Sept. 3 ft. Pkt. 25c.

## Thymus - Thyme

**Serpyllum coccineum (R).** Brilliant red flowers massed on dark green leaves. Forms a perfect mat. June, Sept. 2 in. Pkt. 25c.

## Valeriana

### Garden Heliotrope

**Officinalis.** Blush white, fragrant flowers in clusters. June, July. 3 ft. Pkt. 25c.

## Verbascum - Mullein

**Miss Willmott.** White flowers on spikes 5 ft. tall. Pkt. 25c.

**Phoeniceum Hybrids.** Dwarf strain of pastel colors. 3 ft. Pkt. 25c.

## Veronica - Speedwell

**Longifolia.** Spikes of deep blue flowers July until Sept. 2 ft. Pkt. 25c.

**Spicata (R).** Blue flowers on spikes 18 in. high. June, July. Pkt. 25c.

**Incana (R).** Ageratum blue flowers on spikes 12 in. high. Grey foliage. July and Aug. Pkt. 25c.

**Teucrium prostrata (R).** Mixed colors. Plants only 6 in. high. May, June. Pkt. 25c.

## Viola - Tufted Pansy

Flowers similar to large Violets and miniature Pansies, blooming from Spring until frost. They thrive in partial shade and so lend themselves to mass planting under trees, shrubs and in the woodland. 8 inches.

**Cornuta (R.).** Violet form.

**Admiration.** Dark blue. Pkt. 25c.

**Mauve Queen.** Light blue. Pkt. 25c.

**Jersey Gem.** Deep blue. Pkt. 50c.

**White Perfection.** Pkt. 25c.

**Cornuta Hybrida (R.).** Pansy form.

**Arkwright Ruby.** Rich ruby crimson. Pkt. 50c.

**Chantryland.** Pure apricot. Large flowers. Pkt. 50c.

**David Simpson.** Lavender, marbled crimson. Pkt. 25c.

**Lutea Splendens.** Golden yellow. Pkt. 25c.

**Primrose Dame.** Sulphur yellow. Pkt. 25c.

**Collection: One pkt. each above nine varieties, \$2.50**

**Cornuta Mixed (R).** All colors. Pkt. 25c., 1/4 oz. \$1.50.

**Gracilis Eisanach Jewel (R).** Small-flowered, deep violet blooms. Pkt. 35c.

**Odorata Semperflorens (R).** Sweet-scented Violet. Pkt. 25c., 1/8 oz. \$1.00.

## Wallflower

**Siberian.** Large heads of orange flowers. May, July. 15 in. Pkt. 25c., 1/8 oz. 50c.

**Siberian, Golden Bedder.** Deep golden yellow. Pkt. 25c., 1/8 oz. \$1.00.



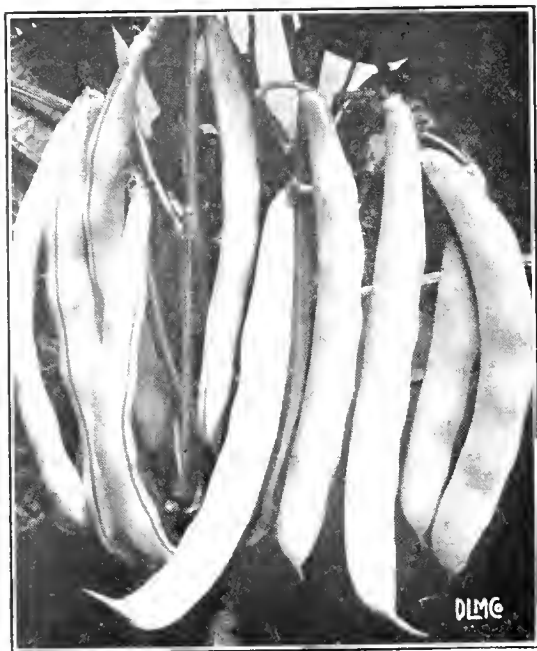
Veronica Longifolia



Saxifraga



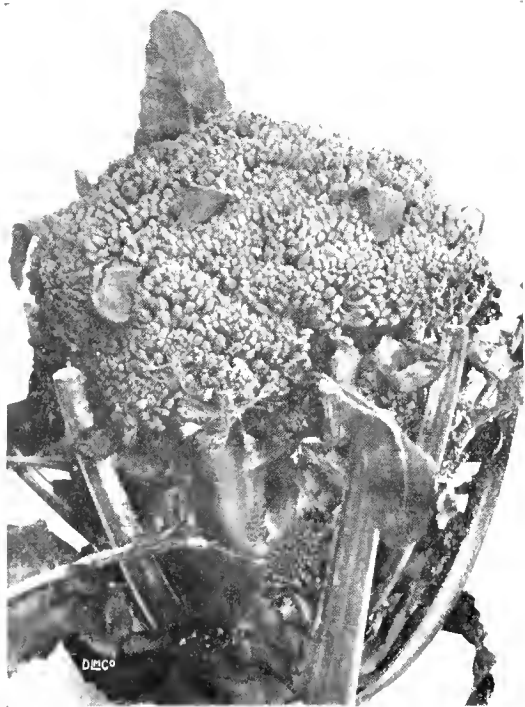
Saponaria



Bush Beans



Beet Detroit Dark Red



Sprouting Broccoli

# Vegetable Seeds

A selected list of varieties most suitable for the home garden follows. In making this selection, flavor, freedom from disease and cultural requirements have been considered. Varieties which have been superseded are dropped and only the better kinds listed. After visiting the many growers' trial grounds, we offer you the following list. Fresh vegetables grown in your own garden will more than repay you for your time and care in their added flavor and tenderness. We give approximate germination on all vegetable seeds.

## Bush Beans

**Culture**—Sow every two weeks from May 1st to August 15th for succession. Beans will grow in any garden soil. The rows should be 18 inches to 2 feet apart. Open the drills 2 inches deep and sow the Beans 1 inch apart. When plants are well up, draw the soil up in the rows and cultivate frequently, but never when the foliage is wet as this may spread disease.

*One pound of seed plants 50 feet of drill, 60 pounds per acre*

**Tendergreen.** The new green podded Bean of unusual merit. The pods are long, light green in color, round and absolutely stringless. It yields a heavy crop and matures in 6 weeks.  $\frac{1}{2}$  lb. 35c., 1 lb. 60c., 2 lbs. \$1.00, 5 lbs. \$2.25.

**Bountiful Stringless.** The most popular green-podded Bean. The pods are long, flat, slightly curved and absolutely stringless. An early variety it matures in about 45 days.  $\frac{1}{2}$  lb. 30c., 1 lb. 50c., 2 lbs. 85c., 5 lbs. \$2.00.

**Davis Stringless Wax.** A new and distinct variety. The pods are waxy-yellow, flat, and average  $6\frac{1}{2}$  in. long. The Bean is tender and well-flavored without fiber. A six week Bean.  $\frac{1}{2}$  lb. 40c., 1 lb. 75c., 2 lbs. \$1.25, 5 lbs. \$3.00.

## Bush Lima Beans

**Culture**—Lima Beans should not be planted until the ground is warm. They are fully two weeks earlier than the Pole varieties. Plant in rows 2 to 3 feet apart, placing two or three Beans 1 foot apart in the row and covering 1 inch deep.

*One pound will plant 100 feet of row*

**Fordhook Bush.** This fine Lima Bean produces a heavy crop of large, fat pods in clusters of 5 to 8. The Beans are fat rather than flat, and the pods contain from 3 to 5 beans, maturing in 75 days. Rich, tender and with a butter flavor.  $\frac{1}{2}$  lb. 40c., 1 lb. 65c., 2 lbs. \$1.25, 5 lbs. \$3.00.

## Pole Lima Beans

**Culture**—Being vigorous growers, strong poles should be set 4 feet apart each way. When the ground is warm, plant 5 or 6 Beans to a pole, eye down, and 2 inches deep. When well started, thin out to three strongest plants. Cultivate often. Pole Limas mature in 80 to 90 days.

*One pound will plant 50 poles*

**Leviathan.** This is an early, strong growing variety producing heavy crops. The pods are produced in large clusters and are well filled with good-sized, pale green beans of a rich buttery flavor.  $\frac{1}{2}$  lb. 30c., 1 lb. 55c., 2 lbs. \$1.00, 5 lbs. \$2.25.

## Beets

**Culture**—Beets do well in a good garden soil. Heavy soil should be manured the year before. Seed may be sown as soon as the ground can be worked in the Spring in rows 12-14 inches apart. Make the drills 1 inch deep, cover the seed carefully, and firm the soil by walking over the drill. For Winter use, sow from mid-July to August 10th. Thin out to 3 inches apart

*One ounce will sow 100 feet of drill*

**Boston Crosby.** This is a distinctly superior early variety, globe-shaped, and cuts a darker red than any other early Beet. Matures in less than 70 days. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. 95c., 1 lb. \$2.50.

**Detroit Dark Red.** The best late Beet, having a fine, dark red color and round, globe shape. Pkt. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 65c., 1 lb. \$1.75.

## Broccoli

**Culture**—For early crop, sow in the greenhouse or hotbed in February, setting plants outside when frost danger is past. For later crop, sow in May. Plants should be 18 inches apart in rows 2 feet apart.

*One packet will produce approximately 100 plants*

**Italian Sprouting.** This is a very fine strain, producing green heads. After the main head is cut, smaller heads appear on the side shoots. A prolific yielder of the finest quality. Pkt. 25c.,  $\frac{1}{2}$  oz. \$1.25.

# Vegetable Seeds

## Broccoli—Continued

**Italian Heading.** The finest-flavored variety of Broccoli yet produced. One head is produced on the top of each plant. The color is light green, and the heads rival the size of Cauliflower with an indescribable delicate flavor. Pkt. \$1.00, 6 pkts. \$5.00.

## Brussels Sprouts

**Culture**—Seed may be sown either in the frame or in open ground. Set plants in rows 3 feet apart, 18 inches apart in the row. Break leaves from stem to promote better growth of heads. Avoid too rich a soil. They mature in about 145 days.

*One packet will produce about 75 plants*

**Long Island Improved.** An American variety grown for American conditions. This strain will produce dense clusters of sprouts of good size and exceptional quality. Sure to mature before frost. Pkt. 25c., ½ oz. 75c.

## Swiss Chard

**Culture**—Sow in the Spring as soon as the ground can be worked in drills 18-24 inches apart. Cover the seed about 1 inch deep, thin to 4-5 inches apart in the row. Ready for cutting in 7 weeks.

*One ounce will sow 100 feet of drill*

**Lucullus.** This variety has a light green crumpled leaf with a rib that is not too broad. Chard is used as a substitute for Spinach during the hot months. Pkt. 15c., oz. 25c., ¼ lb. 60c., 1 lb. \$1.50.

## Cabbage

**Culture**—Seed should be started in the hotbed or coldframe in February or March and set out in the garden from the middle of March to the middle of April. Set plants in rows 2 feet apart, 18 inches apart in the row. Late varieties should be sown in May for Fall crop. Cabbage requires good, fertile soil. *One packet will produce about 50 plants*

**Early Jersey Wakefield.** Still the best early Cabbage for the garden. The heads are medium-sized and pointed. The plants grow very compact and may be set out fairly close together in the rows. Pkt. 15c., ½ oz. 35c., oz. 50c.

**Penn State Ballhead.** A strain developed by the Pennsylvania Experiment Station. It is the heaviest yielding Cabbage known, forming compact, solid ball heads of extra fine flavor. An exceptionally late variety, and it is disease resistant. Pkt. 20c., ½ oz. 50c., oz. 75c.

**Red Rock Special.** The finest strain of Red Cabbage obtainable. It produces large, solid, well-formed, deep red heads. Fine for late Summer and Winter use. Pkt. 25c., ½ oz. 85c., oz. \$1.50.

## Carrot

**Culture**—Carrots will do well in any good garden soil which is deeply dug. Sow the seed in the open as soon as the ground can be worked. And for succession make additional plantings each month until early July. Drills may be from 12-18 inches apart and ½ inch deep. When plants are well up, thin to 3 inches in the row. Carrots are slow to germinate and the soil must be well firmed over the seeds.

*One ounce will sow 100 feet of drill*

**Early French Forcing.** Globe-shaped coreless deep orange red root. Very tender and fine flavor. Early, 45 days. Pkt. 15c., ½ oz. 25c., oz. 35c., ¼ lb. \$1.00.

**Chantenay Red Cored.** Much more tender and far superior to the usual Chantenay strain. A fine dark red center. Pkt. 15c., ½ oz. 35c., oz. 50c., ¼ lb. \$1.25.

## Cauliflower

**Culture**—For early crop sow in hotbed in January or February and transplant as soon as frost danger is past. For late crop, sow in May or June. Set plants 18 inches apart and in rows 2 feet apart. To control root-rot and yellows after plants are up, treat soil with solution of bichloride of mercury, 8 ounces to 50 gallons of water.

*One packet will produce about 100 plants*

**Early Snowball.** This is an extra fancy Danish grown seed producing an early maturing strain of the short-leaved type. Adapted for forcing or for the garden. Pkt. 25c., ⅛ oz. \$1.00, ¼ oz. \$1.50.

**Danish Dry Weather.** Stands poor conditions better than any other strain. The heads are large, very solid, pure white and of good flavor. Pkt. 25c., ⅛ oz. \$1.00, ¼ oz. \$1.50.

## Celery

**Culture**—Seed should be started in the hotbed or very early in the open ground. When 3 inches high, transplant into very rich soil or manured trenches, setting the plants 5-6 inches apart in double rows. Celery which is twice transplanted will give the best results. To blanch, draw earth around plants or boards or paper may be used.

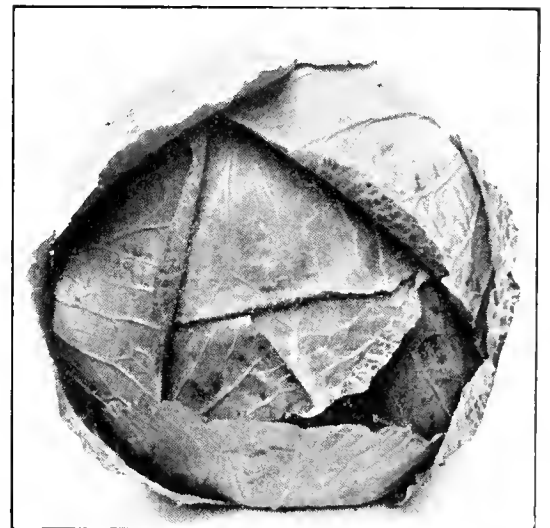
*One ounce will produce about 5000 plants*

**Wonderful, or Golden Plume.** This strain is especially recommended because it produces stalks 9-10 in. to the first joint. They are firm, free from strings and less susceptible to damage from heat and cold than other varieties. Very early, full, compact plants and easily blanched. Pkt. 25c., ⅛ oz. 75c., ¼ oz. \$1.25, oz. \$3.00.

**Giant Pascal.** This is one of the finest green Celeries known—crisp, brittle, free from strings and of very good eating quality. Pkt. 15c., ½ oz. 35c., oz. 75c.



Carrot Chantenay Red Cored



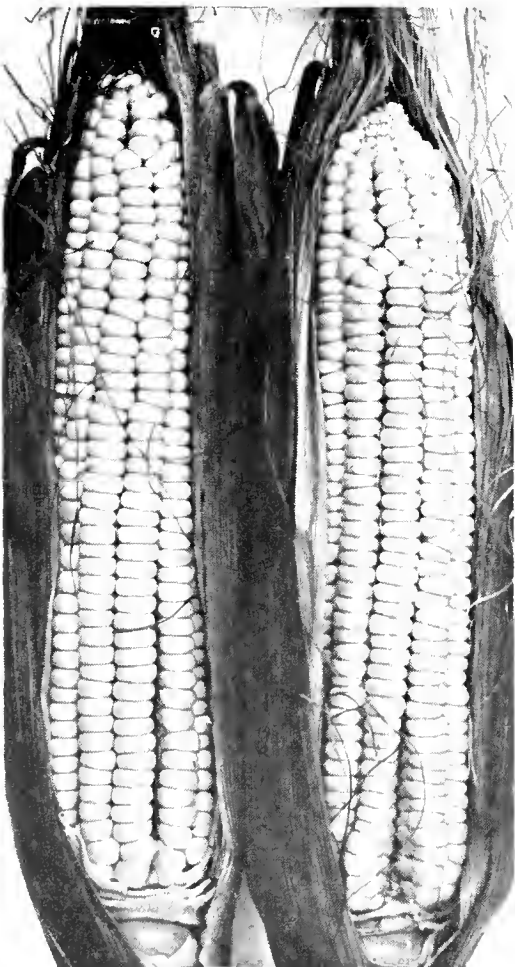
Cabbage Ballhead



Swiss Chard



Celeriac



Golden Cross Bantam Corn

## Celeriac

**Culture**—Sow the same as Celery but plants should be set 6 inches apart in rows 2 feet apart. Also known as Knob or Turnip-rooted Celery.

**Giant Smooth Prague.** This strain produces thick roots suitable for use when about 2 in. in diameter. The roots have the flavor of delicious, nutty Celery when served in salads or boiled as Turnips. The tops may be used for flavoring soup. Pkt. 15c., ½ oz. 30c., oz. 50c.

## Chervil

**Culture**—Sow in the early Spring in a rich soil. Seed germinates slowly, often taking from two to three weeks. When plants are 2 inches high, thin or transplant to 1 foot apart. Ready for use in 8-10 weeks from sowing.

**Moss Curled.** A hardy annual pot herb considered by some to be better than Parsley. Good for mixing in salads or making creamed soup. Make successive sowings. Pkt. 15c., ½ oz. 35c., oz. 60c.

## Sweet Corn

**Culture**—Corn can be grown on most any soil provided it is reasonably fertile and deeply worked. Do not plant until all danger of frost is past. Main crop and late sorts should not be planted until the ground is quite warm. Plant in hills 3 feet apart, dropping 5-6 kernels in each hill. When 6 inches high, thin to three best plants in a hill. Cultivate frequently until plants are 2 feet high.

*One pound will plant 125 hills, 20 pounds per acre*

**Golden Cross Bantam.** A cross of two inbred Bantams, producing a midseason hybrid maturing in 90 days. Stalks average 6-7 ft. in height, usually producing two ears on each stalk. This strain will produce 50-60 per cent more Corn per given area than any other golden Bantam strain. It is resistant to Stewart's disease and has even a finer flavor than the old Golden Bantam. ½ lb. 40c., 1 lb. 75c., 2 lbs. \$1.40, 5 lbs. \$3.25.

**Golden Sunshine.** A very choice, early yellow Corn growing stalks 4-5 ft. high. The kernels are well filled and the flavor is very fine. Matures in about 70 days. ½ lb. 30c., 1 lb. 50c., 2 lbs. 85c., 5 lbs. \$2.00.

**Golden Country Gentlemen.** Identical in every respect to white country gentlemen except that the ear is not quite as large. It has the same kernel formation and is a very attractive light yellow color. Recommended for a late crop variety. ½ lb. 50c., 1 lb. 75c., 2 lbs. \$1.25, 5 lbs. \$3.00.

## Corn Salad

**Culture**—Sow thinly in drills ½ inch deep in the early Spring and thin to 2 inches apart in row. Matures in about 42 days. For Winter use, sow in drills in August.

*One ounce plants 50 feet of drill*

**Broadleaved.** Leaves are used like Lettuce or eaten as a Cress or Spinach. Pkt. 15c., oz. 50c.

## Cress

**Curled or Pepper Grass.** Sow in the early Spring in rows 1 ft. apart. Sow thickly, covering seed ¼ inch deep. One ounce will plant 100 ft. Ready for use in 40 days. Used for flavoring salads. Pkt. 10c., oz. 25c., ¼ lb. 50c.

**True Water.** Grows best in very moist soil, or in shallow fresh water. Pkt. 15c., ½ oz. 50c., oz. 85c.

**Upland.** Resembles Watercress, but succeeds in dry soil. Pkt. 15c., oz. 50c., ¼ lb. \$1.25.

## Cucumber

**Culture**—Cucumbers grow best in a rich, warm, sandy soil. Sow seed when danger of frost is past in hills 4-5 feet each way. Sow thickly, ½ inch deep, thin out to four best plants to each hill.

*One ounce will plant 100 hills*

**Ace.** The improved White Spine Cucumber, having practically no white stripes or tipping. Fruit nearly 12 in. long and deep green in color. Gives heavy yield, fruits have few seeds. Pkt. 15c., ½ oz. 25c., oz. 40c.

**Davis Perfect.** A long white spine variety, averaging 11-12 in. Skin dark green. Pkt. 10c., oz. 25c.

## Dill

**Culture**—Sow in the open ground when frost danger is past. Cover seed with ¼ inch of soil.

**Long Island Mammoth.** Used for flavoring vinegar and making pickles. Pkt. 10c., oz. 25c.

## Eggplant

**Culture**—Thrives in a rich, warm, sandy soil. Start the seed in a greenhouse or hotbed transplanting into boxes or small pots. Set out in the garden after the middle of May in rows 3 feet apart and 2 feet apart in the row.

*One packet will produce 50 plants*

**Extra Early Long Purple.** Very early productive variety with fruit about 8 in. long and 2½ in. thick. The skin is very smooth, dark purple. Pkt. 20c., ½ oz. 50c., oz. 85c.

**New York Improved.** Smooth, dark purple skin on large, round fruits of excellent quality. Very productive. Pkt. 20c., ½ oz. 50c., oz. 85c.

# Vegetable Seeds

## Endive

*Culture*—For early crop, sow seed April 15th, and for Summer and Fall, sow in June or July. Seed should be planted in rows 18-24 inches apart. When well established, thin to one plant per foot. When nearly fully grown, blanch by tying the leaves together.

*One ounce plants 150 feet of row*

**Full Heart Batavian.** Plants are moderately large, with a very compact, full heart and broad leaves. An improved, broadleaved Batavian variety. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 85c.

**Green Curled.** Finely cut, dark green curly leaves, which give the plant a feathery appearance. It blanches to a beautiful creamy white. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

## Fennel

*Culture*—Sow seed early in the Spring in a deeply dug soil. When plants are well up, thin to 8 inches apart. When half grown, the plants should be earthed up and treated like Celery.

*One ounce will sow 100 feet of drill*

**Florence, or Italian (Finocchio).** The lower stalk resembles Celery and is often eaten the same way, having a decided anise flavor. It may also be boiled and creamed. Pkt. 15c.,  $\frac{1}{2}$  oz. 25c., oz. 50c.

## Kale

*Culture*—Seed may be sown in April or May in rows 2 to 3 feet apart. Plants should be thinned 18 inches to 2 feet apart in the row. Where Winters are not too severe, seed any time up to October for Spring use as the plants will Winter over if protected by a covering of hay or litter.

*One ounce will sow 200 feet of row*

**Dwarf Green Scotch Curled.** Extremely curly leaves of dark green color. Low, spreading and withstands frost. Pkt. 10c., oz. 30c.

## Kohlrabi

*Culture*—For early crop, sow seed in February or March. Plants should be set out 1 foot apart in late April. As this vegetable is more tender when it is small, about 2-3 inches in diameter, successive sowings should be made until August 1st.

*One ounce will plant 175 feet*

**Silver Flesh.** Uniform reddish purple skinned fruits which always remain tender even when large. Silver white, fine grained, fiberless flesh. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00, oz. \$3.00.

**White Vienna.** A very early short-leaved variety which is tender when picked young. Pkt. 15c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

## Leek

*Culture*—Sow early in the Spring in rows 12-15 inches apart, covering seed  $\frac{1}{2}$  inch deep. Transplant or thin out, leaving 2 or 3 inches between plants. Hill up to blanch. Ready in 15 weeks.

*One ounce will plant 100 ft. of drill*

**American Flag.** Strong growing and very productive. This is probably the easiest variety to grow. Pkt. 15c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00.

## Lettuce

*Culture*—Leaf Lettuce thrives on nearly any soil, but a rich, well cultivated soil produces the best heads. Being very hardy, seed may be sown early in the Spring. Seed may also be started in hotbeds and transplanted in April. *One ounce will plant 150 feet of drill*

**Big Boston.** This is the black-seeded strain which produces fine, large heads and matures very uniformly. It will stand many days longer before going to seed than ordinary strains. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Wonderful (New York No. 515).** Larger and a better color than Iceberg Lettuce. This is considered the finest strain of the well known Wonderful Lettuce. Heat-resistant. Pkt. 20c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Grand Rapids.** A very fine strain of looseleaf curling variety for forcing or growing in the garden. The plants make a compact bunch of light green leaves frilled at the edges. Crisp and tender. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. 75c.

**Dark Green Cos.** One of the finest of the Romaine types, producing good heads under almost any condition. Crisp, resistant to cold, and slow to seed in hot weather. Pkt. 15c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00.

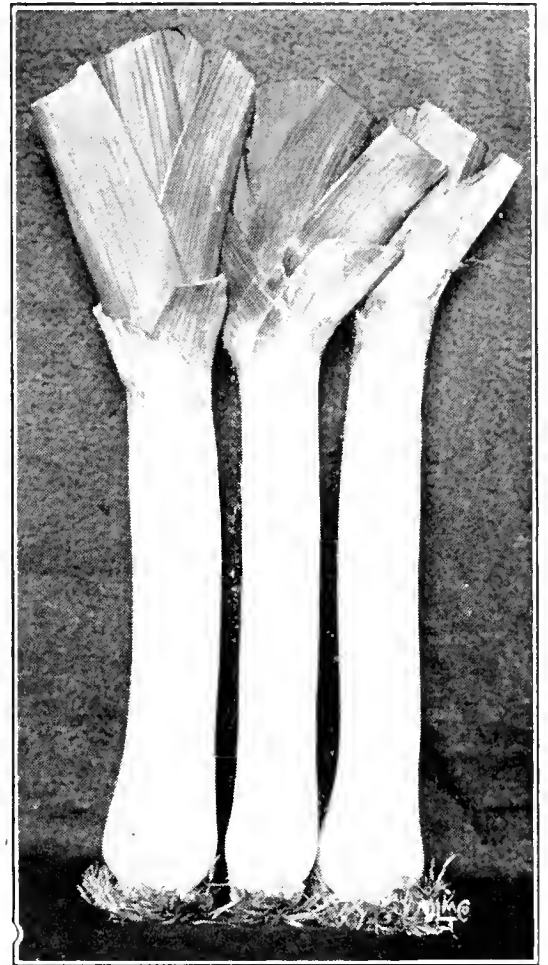
## Muskmelon

*Culture*—A rich, sandy loam is best for Muskmelon. Sow 10 or 12 seeds in a hill, the hills 6-8 feet apart each way. Cover the seeds with an inch of soil well firmed down. Thin the plants when they begin to crowd, leaving the four best plants in each hill. Frequent but shallow cultivation until the runners interfere, is necessary.

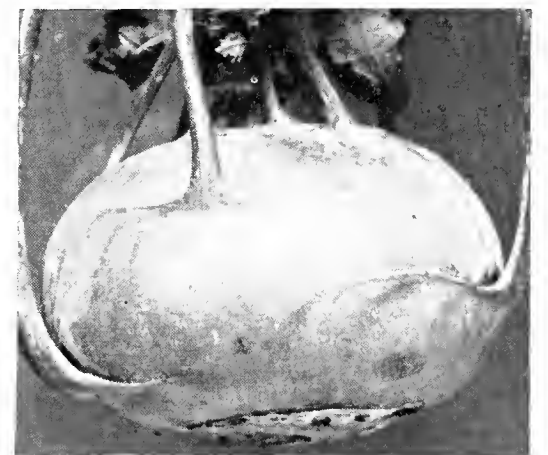
*One ounce will plant 75 hills*

**Sugar Rock.** This unusually fine melon is as sweet as sugar and very solid. The flesh is deep salmon right to the rind. A heavy yielder, it produces fine to seven perfect Melons on each vine. Pkt. 15c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00.

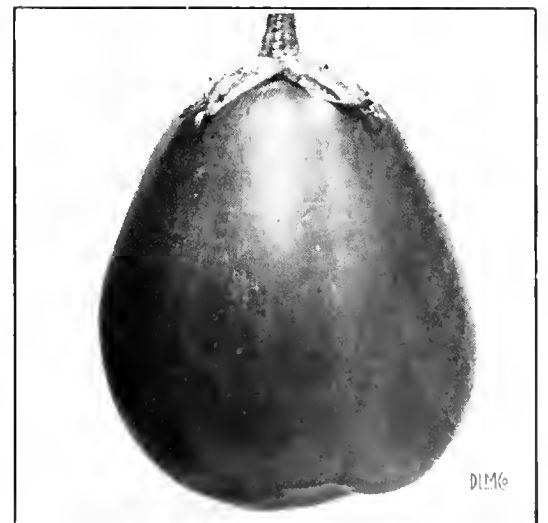
**Emerald Gem.** A medium sized melon of slightly flattened shape. A good early variety of fine flavor and quality. Deeply ribbed and lightly netted. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 75c.



Leek



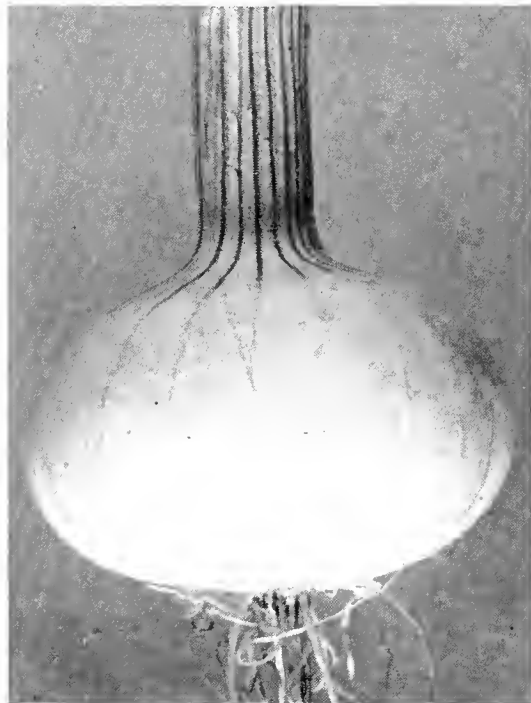
Kohlrabi Silver Flesh



Eggplant New York Improved



Peas



Onion

## Onion Sets

*Culture*—Onion Sets will produce scalions within a few weeks and give large Onions much more quickly than when grown from seed. Set out in rows 1 foot apart and 4 inches in the row.

**White Onion Sets.** Pt. 30c., qt. 50c., 4 qts. \$1.75.

## Mustard

*Culture*—Sow the seed thinly very early in the Spring in rows about 1 foot apart. For late Fall use, sow in August. Ready in 30 days.

*One ounce will sow 200 feet of drill*

**White London.** Used extensively in salads with Pepper Grass Cress. Also used as sandwich material. Pkt. 15c., oz. 25c., ¼ lb. 75c.

## Okra

*Culture*—Sow the seed in a warm ground in rows 3 feet apart covering the seed 1 inch deep. Thin to 12 inches in the row.

*One ounce will sow 50 feet of drill*

**White Velvet.** Selected for its superior tenderness and flavor. The pods are round, smooth and light green in color, maturing in about 55 days. Pkt. 10c., oz. 25c., ¼ lb. 75c.

## Onion

*Culture*—Onions grow best in a rich well-drained soil. To produce very large Onions, sow the seed in a hotbed in January or February. Transplant 6 inches apart into the open ground the middle of April. Later crops should be sown in drills in the garden early in the Spring and the seed covered ½ inch deep. When large enough, thin out to 3-4 inches.

*One ounce will sow 100 feet of drill*

**Prizetaker.** Uniform in size and of a light straw color. This Onion matures into an almost perfect globe. Will produce large-sized bulbs if given special care and early starting. Pkt. 20c., ½ oz. 35c., oz. 60c., ¼ lb. \$2.00.

**Early Yellow Globe.** This recently introduced variety is a fine, globe-shaped Onion with a good yellow color. It will mature fully three weeks earlier than the Danvers and Southport Globe strains and yields very heavily. It is also a very good keeper. Pkt. 25c., ½ oz. 40c., oz. 75c., ¼ lb. \$1.50.

**Southport White Globe.** The most popular white Onion, good globe-shape and a good Winter keeper. Matures in about 3 months. Pkt. 20c., ½ oz. 35c., oz. 60c., ¼ lb. \$2.00.

## Parsley

*Culture*—Sow in shallow drills in the early Spring in rows 12-18 inches apart. Seed should be planted ½ inch deep.

*One ounce will plant 150 feet of drill*

**Paramount Triple Curled.** Unusually dark green in color. This strain will not tip burn or turn brown at the edges with age. Pkt. 10c., ½ oz. 25c., oz. 40c., ¼ lb. \$1.00.

**Hamburg, or Parsnip-rooted.** The long tapering roots similar to Parsnip are used for flavoring soups, stews, etc. The leaves are like plain Parsley. Pkt. 10c., oz. 25c., ¼ lb. 75c.

## Parsnip

*Culture*—Parsnip should be planted in a soil which has been dug to a depth of 10-12 inches. Seed must be started before May 15th as it takes 120 days to mature. Rows should be about 18 inches apart and when the plants are well up, thin to 4 inches in the row. The roots may be left in the ground all Winter.

*One ounce will plant 200 feet of drill*

**All American.** Clear white, clean, well filled and with small core, fine texture and free from strings. Pkt. 15c., oz. 35c., ¼ lb. 75c.

## Peas

*Culture*—For heavy crops and most tender Peas, seed should be sown early in the Spring when the ground is cool and moist so that they may develop a heavy root system before hot weather sets in. It is advisable to plant varieties which mature at different times, but sowing the seed all at one time. We have selected the following varieties after observing many different kinds growing in the fields. Plant in double rows. All varieties will be better if brush is placed between the double rows. This is best done as soon as the plants appear.

*One pound will plant 100 feet of row*

Varieties are listed in their order of bearing

- 1—**Early Bird.** Matures in 50 days. Dwarf vine, bearing uniform large pods about 4 in. in length. Semi-wrinkled and very tender.
- 2—**Laxton's Progress.** Matures in 56 days. Dwarf vines bearing pods 4-4½ in. long, producing a very heavy crop. Sweet and wrinkled.
- 3—**Gradus.** Matures in 60 days. Vines grow about 3 ft. tall, thickly set with large pods containing peas of exceptional flavor.
- 4—**Sutton's Excelsior.** Matures in 65 days. Vines grow about 18 in. high. The peas are slightly larger than average and of good flavor.
- 5—**Improved Telephone.** Matures in 72 days. The vines grow nearly 4 ft. high and are very productive. The pods are dark green, about 5 in. long, and average about 8 peas to the pod.

**All of the above varieties:** ½ lb. 30c., lb. 50c., 2 lbs. 85c., 5 lbs. \$2.00

**Succession Collection:**

½ lb. each of 5 varieties (2½ lbs. in all) ..... \$1.35

1 lb. each of 5 varieties (5 lbs. in all) ..... 2.25

2 lbs. each of 5 varieties (10 lbs. in all) ..... 4.00

## Peppers

*Culture*—Start the seed in a hotbed in March. After danger of frost is past, transplant into open ground in rows 2 feet apart and 18 inches apart in the row.

*One packet will produce about 50 plants*

**Harris Early Giant.** The earliest and most prolific of all Peppers. Fully 10 days to 2 weeks earlier than large-fruited varieties. Exceptional quality and flavor. Pkt. 15c.,  $\frac{1}{2}$  oz. 50c.

**Large Thick Cayenne.** Fruits about 4 in. long; bright red in color; prolific and hot. Pkt. 20c.,  $\frac{1}{2}$  oz. 65c.

**Early Normandie.** A large, early Pepper with thick walls. The well-shaped fruits frequently have four lobes and are well protected from burning by the foliage. The yield is very heavy, coming in about the same time as Harris Early Giant. Pkt. 25c.,  $\frac{1}{2}$  oz. \$1.25.

## Pumpkin

*Culture*—Plant when the ground is warm in hills 8 feet apart each way. Thin to two to three plants to a hill.

*One ounce will plant 25 hills*

**Large Cheese.** Large, round, and flattened with pronounced rib. The skin is creamy buff, the flesh yellow and fine grained. The best variety for pies. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 50c.

**Small Sugar (New England Pie).** A small sized Pumpkin with deep orange skin and deep yellow flesh. Pkt. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 50c.

## Radish

*Culture*—Sow in the open ground as soon as the soil can be worked. Radishes grow best in a warm, moist place. It is advisable to plant a small quantity each week so that they may all be used while small and tender.

*One ounce will plant 100 feet of row*

**Scarlet Globe (Special Strain).** Bred for perfect color and shape with no pale fruits showing. Deep scarlet and a perfect globe. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00.

**French Breakfast.** An olive shaped variety about one inch long. Deep scarlet with white tip. Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Round Black Spanish.** The flesh is very clear white with a rich black skin. The fruits are 3-4 in. in diameter with an excellent flavor. Often used for flavoring sandwiches and takes the place of Onions when used raw. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. 75c.

**White Icicle.** Long white, waxy roots 5-6 in. long. Very high quality flesh, crisp and tender. Pkt. 15c.,  $\frac{1}{2}$  oz. 25c., oz. 30c.,  $\frac{1}{4}$  lb. 50c.

## Spinach

*Culture*—Sow the seed in good rich ground free from acid, 1 inch deep in rows 1 foot apart. Varieties which go quickly to seed in hot weather may be sown very early in the Spring and again August 15th. Other varieties may be sown anytime in the Spring.

**King of Denmark.** Leaves are large, rounded and of a deep green color, and remain in good condition a week after some varieties have gone to seed. It has quite a butter flavor. Pkt. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 40c., lb. 90c.

**Bloomsdale Long Standing Savoy.** More compact in growth and a deeper green color than other Savoy varieties. It will stay in prime condition for cutting two weeks longer than many other varieties. Pkt. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 40c., lb. 90c.

**New Zealand.** Ready for use in about 10 weeks from sowing. This variety may be cut and comes back again all Summer. The leaves are very small. Pkt. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**Tendergreen Perpetual Summer.** Grows a spray of broad, smooth, flat, rounded leaves and should be cut when about 5 in. long. Pkt. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.00.

## Squash

*Culture*—Plant the seeds early in May or as soon as the ground is warm, placing 8-10 seeds in hills 5 feet apart. Later, thin out, leaving the three strongest plants in each hill.

*One ounce will plant 25 hills*

**Early Summer Crookneck.** A light yellow, tender Crookneck variety producing Squashes about 10 in. long. The best of the early varieties. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Warted Hubbard.** Similar to the old improved Hubbard with a deeper green skin and a better flavor. Flesh bright orange yellow. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. 85c.

**White Bush Scallop.** Very early summer variety. Fruit flattened and scalloped, with smooth creamy white skin. Pkt. 15c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

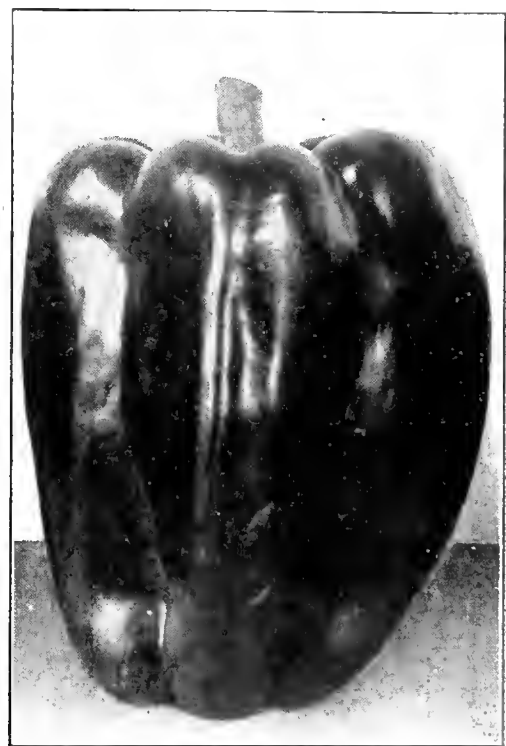
## Tomato

*Culture*—Seed is best started in February or early March for early varieties. When plants are 2 inches high, transplant into 3 inch pots or in shallow boxes 5 inches apart. Set out in the garden when all danger of frost is past 3-4 feet each way. Cultivate frequently

**Earliana Special.** Grows a small but vigorous vine, nearly globe-shaped fruit, solid and bright scarlet. This variety is noticeably free from cracks. The finest of early varieties. Pkt. 15c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.



Okra



Pepper

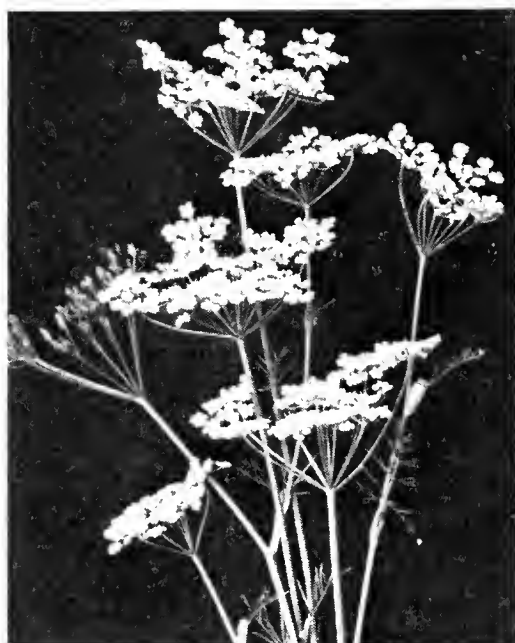
## Trol-X

A very effective non-poisonous remedy for Red Spider, Mealy Bug, Bean Beetle, Aphis, etc. Contains pyrethrum and rotenone with a penetrating oil. Makes 200 to 400 times its own volume of spray, and in many cases also kills insect egg, thereby preventing continued infestation. 6 oz. size, \$1.00; 16 oz. size, \$2.00; 1 gal., \$11.00.

# Vegetable and Herb Seeds



Tomato Marglobe



Fennel



Borage

## Tomato—Continued

**Marglobe Certified.** Marglobe has a deep, globe-shape and beautiful scarlet color. A very heavy yielder of fine, large tomatoes which have a small seed cavity and thick, firm meat. Introduced by the United States Department of Agriculture, it is almost 100 per cent resistant to blight. Pkt. 20c.,  $\frac{1}{2}$  oz. 50c., oz. 75c.

**Ponderosa.** A home garden variety bearing very large fruits quite free from acid. Pkt. 20c.,  $\frac{1}{2}$  oz. 60c., oz. \$1.00.

**Small-fruited Varieties.** Red Cherry, Yellow Cherry, Red Plum, Yellow Plum, Strawberry or Husk Tomato. Pkt. 15c.,  $\frac{1}{2}$  oz. 60c.

## Turnip

**Culture**—Sow seed very early in the Spring in drills 12-18 inches apart. Cover seed  $\frac{1}{2}$  inch deep and thin to 2-3 inches in the row. For Fall and Winter crop, sow in July or early August.

*One ounce will plant 100 feet of drill*

**Snowball.** A very early globe-shaped Turnip, smooth, clean and free from coarseness. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 40c.

**Golden Ball.** Medium sized, round, very smooth, deep yellow root. The flesh is firm and fine-flavored. This variety is a splendid keeper, maturing in about 65 days. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 40c.



## The Herb Garden

Herbs are not only useful for a kitchen garden but most varieties have very dainty flowers of lovely colors. The herb garden may be attractive as well as useful. A space 10 by 20 feet should accommodate a good supply of plants.

**BALM** (*Perennial*). Very fragrant leaves used for making tea.

**BASIL, SWEET** (*Annual*). Small plants with purple flowers and deep green foliage. Leaves may be cut and dried and used for Winter use in soup and salads.

**BORAGE** (*Annual*). Bright blue flowers moderately large leaves. Used for flavoring soups and excellent in punch.

**CHIVES** (*Perennial*). Lavender blue flowers. This plant has more uses than any other herb. Chopped up, use in salads, mixed with cream and pot cheese and scrambled eggs, etc.

**FENNEL, FLORENCE** (*Annual*). Stalk and bulb have a decided anise flavor. May be eaten raw or boiled.

**HOREHOUND** (*Perennial*). A very attractive plant with white flowers and gray leaves covered with down. Used in cough remedies and candy.

**LAVENDER** (*Perennial*). Flowers may be dried for their scent.

**MARJORAM** (*Annual*). The queen of herbs. Used for flavoring soups, roast, stews and salads.

**MUSTARD** (*Annual*). When chopped, adds decided flavor to salads. May also be boiled as Spinach.

**PARSLEY** (*Perennial*). The best material for bordering the herb garden. Well known for garnishing, etc.

**SAGE** (*Perennial*). Used for seasoning and dressings with rich meats, flavoring sausages and some kinds of cheese.

**SAVORY** (*Annual*). Summer Savory is used either green or dry for flavoring salads, sauces, stuffings, soups and stews.

**TARRAGON** (*Perennial*). Delicious when chopped and added to salads. Also used in making Tarragon vinegar, tartar sauce and Thousand Island dressing. Plants only. \$1.50 for 3, \$4.00 per doz.

**THYME** (*Perennial*). For flavoring dressings and sauces.

Any of the above pkt. 15c.

# Perennial Plants

A select list of nursery grown plants of proven merit and hardiness.

For a more complete description and cultural notes, refer to our Perennial Seed Section on page 24.

Prices of all plants are \$1.50 per 3, \$3.50 per doz., unless otherwise noted. Orders for less than three plants of one variety cannot be accepted

## Achillea

**Tomentosa.** (R). Compact gray mats with yellow flowers. June, July.

## Aconitum

### Monkshood

**Fischeri.** Bright blue flowers on short spikes. 3 ft. Sept., Oct.

**Napellus.** Rich dark blue flowers. 4 ft. July, Aug.

**Wilsoni.** Deep violet blue flowers on tall spikes. 6 ft. Sept., Oct.

## Aethionema

**Warley Rose.** (R). A miniature pink Candytuft with exquisite foliage. June, July.

## Alyssum

**Saxatile compactum.** (R). The much-loved "Basket of Gold" of early Spring.

**Saxatile florepleno.** (R). A beautiful, double form of the Spring "Basket of Gold."

**Saxatile Citrinum.** (R). Sulphur colored flowers.

## Anchusa

**Italica, Dropmore.** Gentian blue flowers. 4 ft. June, July.

**Myosotidiflora.** Dainty blue flowers, resembling Forget-me-nots. 1 ft. April, May.

## Androsace

**Chumbyi.** (R). Gray rosettes, with pink flowers. Spring and Fall. \$1.75 for 3, \$5.00 per doz.

**Lanuginosa.** (R). Furry mats with delicate heads of pink flowers. June, July. \$1.75 for 3, \$5.00 per doz.

## Anemone

### Windflower

**Japonica, Whirlwind.** Semi-double snow white flowers. 2 ft. Late Sept. on. \$1.75 for 3, \$5.00 per doz.

### Anemone—Continued

**September Charm.** Delicate silver pink flowers shaded with rose. 2 ft. Mid-September to frost. \$1.75 for 3, \$5.00 per doz.

**September Queen.** An attractive shade of rosy red. 2 ft. Mid-September on. \$1.75 for 3, \$5.00 per doz.

**Pulsatilla.** (R). Blooming through the last snows of Spring. Large purple, hairy flowers lifting to 8 in.

**Sylvestris** (R). Spring and Fall blooming. White cups on 8 in. stems.

## Anthemis

**Sancta Johannis.** Orange red flowers from May through July. Good for cutting. \$1.75 for 3, \$5.00 per doz.

## Aquilegia

### Columbine

**Caerulea.** Blue with white corolla. 1½ ft. May, June.

**Chrysantha.** Golden yellow, fragrant. 3 ft. June to Aug.

**Long-spurred Hybrids.** Lovely colors with exceptionally long spurs. 2½ to 3 ft. May, June.

**Pyrenaica.** (R). A Spring darling. A miniature Columbine with purple to blue corolla. 8 in.

## Arabis - Rockcress

**Alpina florepleno.** (R). Masses of pure white double flowers. 9 in. April, May.

**Rosabella.** (R). A beautiful rose-colored form with large flowers in May.

## Arenaria

**Caespitosa.** (R). Grassy cushions of moss, good for flagging. June, July.

**Montana.** (R). Like a Spring snow. 6 in. May, June.

**Norica.** (R). Late Spring with multitudes of white flowers. 4 in.

## Armeria

### Sea Thrift

**Caespitosa hyb.** (R). Cushions of close spiny foliage, blooming in the Spring and Fall with masses of thrift flowers in delicate pink.

**Caespitosa, Snowflake.** (R). A white form of the above.

**Lauchiana maritima.** (R). Pink head on 6 in. stems blooming in the Spring and Fall.



Aconitum



Aquilegia



Anemone

## Perennial Plants

### Triumphant Hardy Aster Collection

For a Long Succession of Bloom

#### EARLY BLOOMING VARIETIES

**Alpinus, Dark Beauty.** Deep purplish flowers with golden discs on 10-12 in. stems. May and June.

**Subcaeruleus, Wartburg Star.** Very large, lavender flowers with rich, gold centers. May until July. 12-18 in.

#### MIDSEASON BLOOMING VARIETIES

**Frikarti (Wonder of Staefa).** One of the best of this intermediate group, producing 2½ in. flowers on branching, 2 ft. stems. The color is an exquisite shade of lavender blue. From July on. \$1.75 for 3, \$5.00 per doz.

**King George.** Large, soft blue flowers of a delightful shade, produced during July, August and September. 2-2½ ft. \$1.75 for 3, \$5.00 per doz.

**Skyland's Queen.** Gorgeous blue flowers on dense, well-branched stems. 3 ft. high. Very prolific and one of the hardiest. \$1.75 for 3, \$5.00 per doz.

#### LATE BLOOMING VARIETIES

**Barr's Pink.** Large, semi-double flowers of a deep rose pink, with a golden bronze disc. From early in August on, through September. 3-4 ft.

**Grey Lady.** A beautiful variety with heavy masses of delicate gray flowers, like a cascading waterfall. 3-4 ft. From August on.

**Red Rover.** These are strikingly beautiful with their large, open flowers of a deep red with golden centers. A delightful picture in the Fall landscape. \$1.75 for 3, \$5.00 per doz.

### Dwarf Hybrid Asters

For the Border or the Rock Garden

These dwarf hybrid Asters of low, compact habit, bloom luxuriantly from August until late Fall. They are splendid for edging or used in bold masses in the rock garden. They are easily established in any garden soil and a permanent joy to every gardener. Height 9-12 in.

**Countess of Dudley.** (R). Clear pink.

**Lady Henry Maddocks.** (R). Clear pale pink.

**Marjorie.** (R). Bright rose pink.

**Victor.** (R). Lavender blue.

**Ronald.** (R). Bright lilac pink.

### Asters

**Mauve Cushion.** (R). Fall blooming trailer with white flowers.

### Astilbe - Spiraea

**Gloria.** Dense, feathery plumes of dark pink. 2 ft. June, July. \$1.00 each, \$10.00 per doz.

**Granat.** Rich deep crimson. 2 ft. June, July. \$1.00 each, \$10.00 per doz.

**White Gloria.** Creamy white. 2 ft. June, July. \$1.00 each, \$10.00 per doz.

**Simplicifolia.** (R). Feathery pink plumage on stems 12 in. Summer blooming.

### Aubrietia

**New Hybrids.** (R). A Spring carpeter, bearing flowers from pink through purple.

### Baptisia - Wild-indigo

**Australis.** Dark blue, Lupinlike spikes. 2 ft. June.

### Campanula

**Carpatica.** (R). Full blue bells lifting toward the sun. Summer and Fall blooming. 8 in.

**Carpatica alba.** (R). A white form of the above.

**Garganica.** (R). Blue stars dotting compact foliage. Summer blooming.

**Muralis.** (R). A true bell form. Dense foliage and purple flowers. Summer blooming.

**Miranda.** (R). A fine form of C. pusilla. Delicate blue bells hanging. 6 in. Summer and Fall.

**Rotundifolia.** (R). The old-fashioned Scotch Harebell. July, Aug.

### Campanula Persicifolia

A constant profusion of bloom during June and July. For those who glory in blues, we have nothing better to recommend.

**Double Blue.** A vigorous, double-flowering form of a rich shade of blue. 2½ to 3 ft.

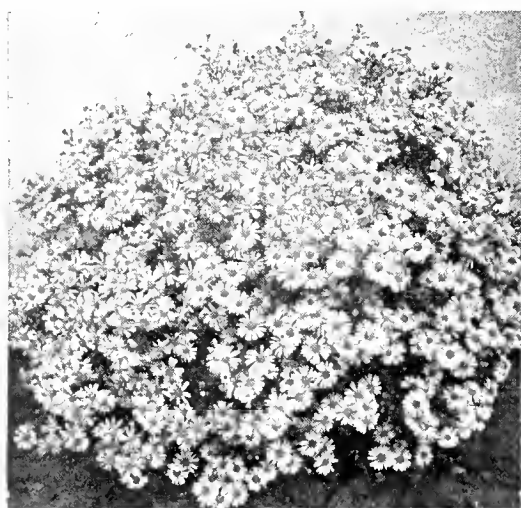
**Moerheimi.** Large double flowers of pure white. 3 ft.

**Pfitzeri.** Large double blue flowers on stems 2½-3 ft.

**Telham Beauty.** Large cup-shaped flowers of China blue. 2½ to 3 ft.

**Collection: Three plants each of the above four varieties, \$6.00**

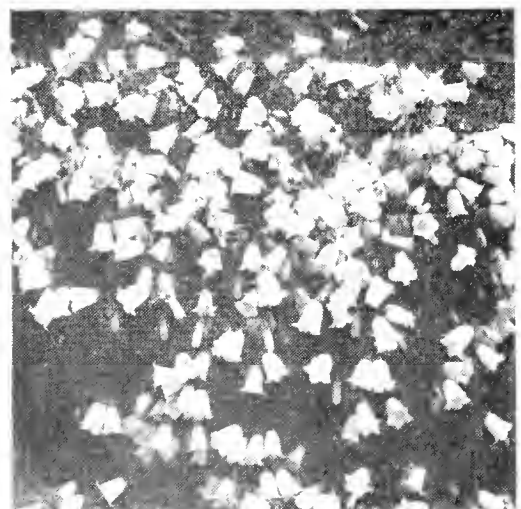
Separately, \$2.00 for 3, \$6.00 per doz.



Dwarf Aster



Aubrietia



Campanula Garganica



Alyssum Saxatile (See page 39)

## Perennial Plants

### Centaurea

#### Perennial Cornflower

**Dealbata.** Large rose pink flowers. 2 ft. June, July.

**Montana.** Blue flowers from June to Sept. 2 ft.

### Cerastium

**Tomentosum** (Snow-in-summer). (R). Early Summer, trailing bounteously. 6 in.

### Chrysanthemum

**Double White Swan.** This variety is very prolific, blooming from early June on. The flowers are very large, of the purest white, and resemble the double Pyrethrums. \$1.75 for 3, \$5.00 per doz.

### Double Korean Hybrid Chrysanthemums

**King Midas.** Blooms literally covered with flowers in late September and continuing throughout October. They average 4 inches in diameter, are fully double, and a charming shade of soft yellow with the faintest bronze shadings. 50c. each, \$5.00 per 12.

**The Moor.** Amaranth purple or port wine red. Flowers 3 inches in diameter, fully double, produced freely. In full flower late Sept. 50c. each, \$5.00 per 12.

**Ember.** A remarkably hardy Chrysanthemum which withstands all weather conditions. In color, a brilliant glowing bronze, it is, in fact, a combination of coral and orange shades. Blooms 2½ inches in diameter, flowering mid-October. 50c. each, \$5.00 per 12.

**Romany.** A soft, glowing red, with bronze tone. The full, double flowers will last for three weeks. In flower about Oct. 5th. 50c. each, \$3.50 per 12.

**Indian Summer.** Vivid glowing orange. The large flowers are 3 in. across, many-petaled and somewhat shaggy. In bloom Oct. 15th. 50c. each, \$3.50 per 12.

### Single Korean Hybrids

**Agnes Selkirk Clark.** A very lovely blending of bronzy pink, apricot and salmon. Flowers 3 in. across, remarkably free flowering. In full bloom late September.

**Nancy Copeland.** Spectrum red is the dominant color, with an opalescent sheen. Large sprays of single flowers, 3-3½ inches across, attaining perfection in late September.

**Pink Lustre.** A fine flower, 3-3½ in. across, with several rays of petals and good substance. It is a delightful shade of orchid pink. In full flower late September.

### Hybrid Korean Chrysanthemums

**Apollo.** Sprays of bronzy old gold and red with an undertone of salmon. Blooms Oct. 12th.

**Ceres.** A combination of old gold, chamois yellow, and soft coppery bronze. Blooms Oct. 10th.

**Diana.** Rose pink mingled with lilac rose and soft salmon. Three rows of flower petals. Blooms Oct. 12th.

**Daphne.** A blending of Daphne pink, with a lilac sheen and a prominent golden yellow center. Blooms Oct. 12th.

**Mars.** Deep amaranth red changing to wine red with a velvety sheen. Blooms Oct. 15th.

**Louise Schling.** Flowers 3 in. across with three rows of petals. A glowing salmon red changing to soft bronze salmon. Blooms Oct. 5th.

**Prices:** \$1.50 for 3, \$3.50 per doz.

### Decorative Type

**Barbara Cumming.** Early yellow.

**Daybreak.** Soft shell pink.

**Frances Whittlesey.** Rich bronze garnet.

**Granny Scoville.** Coral bronze.

**Jean Cumming.** Pure white.

**Jean Treadway.** Sparkling pink, rose center.

**Ruth Cumming.** Reddish bronze and terra cotta.

**Vivid.** American Beauty rose.



Cerastium



Korean Hybrids Indian Summer



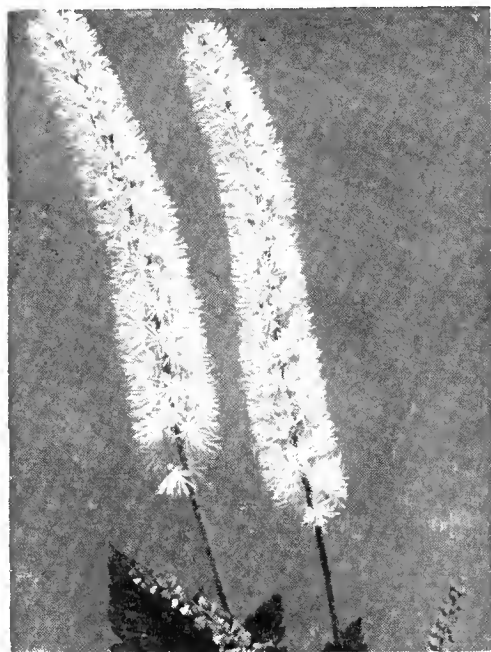
Bed of Korean Hybrids

#### KOREAN CHRYSANTHEMUMS FROM SEED

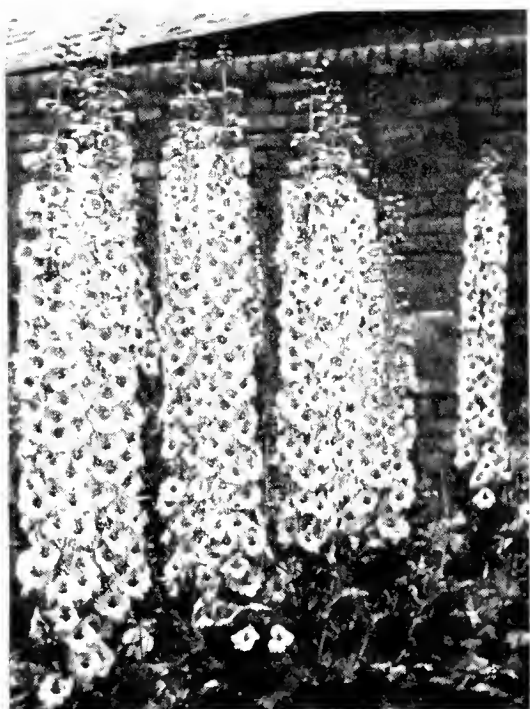
We have the privilege to introduce to flower enthusiasts, seed of Korean Chrysanthemums from the stock of America's foremost hybridizer. This seed has been gathered from plants having special merit and from crosses made for color and flower improvement, and is the same stock which this specialist will use this year in trying to find new and improved varieties. Seed planted from late February to early April will produce **blooming plants this Fall.**

Pkt. \$1.00, 6 pkts. \$5.00

## Perennial Plants



Cimicifuga



English Hybrid Delphinium



Dianthus

### Chrysanthemum—Continued

#### Pompon, or Button Type

**Early Bronze.** Bronze.  
**Ermalinda.** Old rose.  
**Ethel.** Bright red.  
**Silver Ball.** White.

*Above varieties*  
 \$1.50 for 3, \$3.50 per doz.

#### Cimicifuga

*Snake root*

**Racemosa.** Fragrant, white spikes.  
 Semi-shade. 4 ft. July, Aug.

#### Convolvulus

*Morning-Glory*

**Mauritanicus.** (R). A delicate lavender Morning-glory with compact foliage and small flowers. Summer and Fall. 6 in.

#### Coreopsis

**Auriculata nana.** (R). A low form of the garden favorite, with hundreds of yellow flowers from Midsummer until late Fall. 8-10 in.

**Mayfield Giants.** Large, rich golden yellow flowers all Summer. 2 ft. June to Oct.

#### Coronilla

**Cappadocica.** (R). A mat of golden crowns. Early Summer. 6 in. Foliage is smooth gray.

**Minima.** (R). A miniature form of the above with precisely arranged leaflets. Spring and Summer blooming. \$1.75 for 3, \$5.00 per doz.

#### Cyclamen

**Hederaefolium.** (R). A choice elf of a Cyclamen with marbled leaves, blooming in August. Semi-shade. \$1.75 for 3, \$5.00 per doz.

#### Daphne

**Cneorum** (The Garlandflower). (R). A dwarf shrub par excellence. Sweet-scented heads of lilac-clustered flowers blooming Spring and Fall. Plants balled and burlapped, heavily budded for the coming season. 6-8 in. 75c., 8-10 in. \$1.00, 10-12 in. \$1.50, 12-15 in. \$1.75.

#### Dicentra

*Bleedingheart*

**Eximia.** (R). The dwarf pink Bleedingheart. Continuous blooming from early April on until late Fall. 8 in.

**Spectabilis.** Rose pink, heart-shaped flowers. 1½ ft. April, June. 75c. each, \$7.50 per doz.

#### English Hollyhock Delphinium

These heavy, field-grown plants should produce at least four to six magnificent spikes during the first season. The plants are shipped by express, balled and burlapped.

\$1.50 each, \$12.00 per doz.

#### IN COLOR GROUPS

**Light Blue Shades** with Light Center.

**Light Blue Shades** with Dark Centers.

**Mauve Shades** with Light Centers.

**Mauve Shades** with Dark Centers.

**Intermediate Shades** with Light Centers.

**Intermediate Shades** with Dark Centers.

**Dark Shades** with Light Centers.

**Dark Blue Shades** with Dark Centers.

#### English Hybrid Delphiniums

Selected for its unusual range of pure blues and magnificent mauves. The flowers are unusually large and of exquisite form. We offer these in mixture, in field-grown plants or from 3½ in. pots. 50c. each, \$5.00 per doz.

#### Delphinium White Hybrid

*"The Bride"*

Large, double flowers and tapering spikes of purest clear white. The individual florets are 2-3 inches across. From 3½ in. pots.

75c. each, \$7.50 per doz.

#### Dianthus

*Garden Pinks*

**Alpinus.** (R). A true alpine Pink, with cartwheels of pink penciled in maroon. Compact foliage. 3 in.

**Beatrix.** (R). An everbearing plant with double pink Carnations sweetly scented.

**Caesius.** (R). Neat tufts of gray foliage and a multitude of pink flowers. Early Summer. 6 in.

**Caesius florepleno.** (R). A double form of the above.

**Deltoides.** (R). The joyful Maiden Pink used extensively for edging.

**Little Jock Hybrids Pink Beauty.** (R). A selected type propagated from cuttings. Single flowers in early Summer. \$1.75 for 3, \$5.00 per doz.

**Plumarius nana comp. florepleno.** (R). A rare form blooming continuously throughout the season.

**Roysi.** (R). A form of D. neglectus. 4 in. In early Summer.

**Winteri.** (R). Another selected from of soft pink. 6-8 in. May.

## Perennial Plants

### Dictamnus - Gasplant

**Fraxinella.** Rosy pink flowers, fragrant foliage. 2½ ft. June, July.

### Digitalis - Foxglove

**Gloxinioides.** White, pink, purple.

**Isabellina.** Yellow, spotted throat.

**The Shirley.** Tall full spikes. Mixed colors.

### Doronicum

#### Leopardbane

**Caucasicum.** Large golden yellow. Daisylike flowers. 1½ ft. May, June,

### Echinops

#### Globethistle

**Ritro.** Steel blue globe flowers for background and cutting. 2½ ft. July, August.

### Edraianthus

**Dalmatica.** (R). A clustered Bellflower of blue, sending out laterals close to the ground surmounted by bloom. Rare. 4-6 in. Summer blooming.

### Erinus

**Alpinus.** (R). Clumps of pink flowers in Spring. 4 in. high.

### Eupatorium

#### Perennial Ageratum

**Coelestinum.** Misty purple blue flowers. 2 ft. Aug., Sept.

### Gaillardia

#### Blanketflower

Here are five striking Gaillardia, hybridized for sized for size and color, and propagated from plants of outstanding merit. Blooms from July on. 2 ft. All varieties, \$1.75 for 3, \$5.00 per doz.

**Burgundy.** A rich burgundy red.

**Mrs. Sherbrooke.** Strong growing with straight stems. Pure yellow.

**Ruby.** A deep velvet self color, blending well with the gold of Sun God.

**Sun God.** A burst of resplendent sunshine. Large discs of semi-double flowers with a three-dimensional button of gold in the center.

### Gaillardia—Continued

**Goblin.** A woolly elf with unusually large, bright flowers of red and gold. 12 in.

**Portola Hybrids.** Coppery scarlet, margined golden yellow. 1½ ft. July on.

### Genista

#### Broom

**Hispanica nana.** (R). A low form with a wealth of yellow flowers during May and June. \$1.75 for 3, \$5.00 per doz.

**Pilosa.** (R). A very low hardy Broom, blooming heavily during May. \$1.75 for 3, \$5.00 per doz.

### Gentiana

**Acaulis clussi.** (R). A long trumpeted Gentian of deepest blue, in Spring and Fall. 4 in. \$1.75 for 3, \$5.00 per doz.

**Hascombensis.** (R). During July and August bears large blue flowers. \$1.75 for 3, \$5.00 per doz.

**Purdomi.** (R). Bright blue trumpets during July and August. \$1.75 for 3, \$5.00 per doz.

### Geum

**Lady Stratheden.** Semi-double. Rich golden yellow. 1 ft. May to Sept.

**Mrs. Bradshaw.** Semi-double scarlet red. 1 ft. May to Sept.

### Gypsophila

#### Babysbreath

#### For All Summer Bloom

These newer varieties are a distinct addition, furnishing masses of flowers from the middle of May until the late Fall.

**Bodgeri.** (R). This new dwarf variety is equally at home in the rock garden or border. The flowers are double with a tinge of pink.

**Rosy Veil.** (R). Quite similar in habit to G. bodgeri, but the large flowers are a deeper shade of pink.

**Bristol Fairy.** A border variety exhibiting clouds of large, double flowers in great profusion. Unexcelled for cut flower arrangements. 3 ft. \$1.75 for 3, \$5.00 per doz.

**Pacifica.** This is a single form with charming, delicate pink flowers on long stems. 4 ft. From Aug. until late Fall. \$1.75 for 3, \$5.00 per doz.



Doronicum



Gaillardia



Gentiana Acaulis

Shipment will be made by express, purchaser paying the charges. Small orders wanted by parcels post will be sent that way if remittance covering postage is added (add 10 per cent of the value of the order). Any overpayment of postage will be refunded as soon as the shipment goes forward.

## Perennial Plants



Hemerocallis

### Heathers

Heathers are becoming better known in this country for their fine evergreen habit and unusual period of bloom. They stand like miniature trees, bearing wands of small, bell-shaped flowers during July, August and September. And a few of the tardy ones do not make up their minds to bloom before the first of November, and then remain lovely throughout the Winter until late May.

**CALLUNA hammondi.** A vigorous type with a shower of pink bells during July and Aug. 12-18 in.

**nana compacta.** Compact bright green cushions. 4-6 in.

**vulgaris alba.** A beautiful white form, rather compact, 12 in. July and Aug.

**vulgaris, Prosper.** Masses of pink flowers of a deep hue from August on. 12-18 in.

**ERICA mediterranea hybrida.**

The foliage is particularly attractive with the bells hanging in clusters under and down the wiry stems. Deep pink from November on through the Winter until May.

**MENZIESI polifolia** (The Irish Bell Heather). Larger flowers than the other varieties, of a rich shade of purplish rose. Midsummer blooming 10-12 in.

*Any of above varieties:*  
\$2.00 for 3, \$6.00 per doz.

### Helenium

*Sneezeweed*

**Autumnale rubrum.** Terra cotta red. 4 ft. Sept.

**Riverton Gem.** Crimson and old gold. 4 ft. Sept.

### Helianthemum

**Clara Middleton.** (R). An orange rock Rose. May and June. 4-6 in.

**Mrs. Earle.** (R). Heads of double red flowers. Early flowering.

### Heliopsis

**Scabra zinniaeflora.** Orange yellow, semi-double flowers. 3 ft. July, Sept.

### Helleborus

**Niger.** (R). The Christmas-rose, flowering with slight protection throughout the Winter into early Spring. \$1.50 each, \$15.00 per doz.

**Orientalis hybrida.** (R). From pink to deep maroon. Into the late Spring. Semi-shady position is best. \$1.50 each, \$15.00 per doz.

### New Choice Large Flowering Hemerocallis

The varieties in this list are noted for long blooming and large flowering qualities. They represent such a great improvement over the ordinary Daylily that we do not offer the common varieties.

**Anna Betscher** (Betscher). Rich golden yellow flowers during July and Aug. 2 ft.

**Cinnabar** (Stout). Cinnabar yellow shaded with rose brown. July, Aug. 2½ ft. \$2.00 each.

**Goldeni** (Betscher). Large, deep golden orange flowers freely produced in early July. 3 ft.

**Lemona** (Betscher). Vigorous, upright stems bearing quantities of pale lemon flowers during July and Aug. 5 ft.

**Margaret Perry** (Perry). Brilliant orange scarlet with a yellow line through each petal and a yellow base.

**Mrs. W. H. Wyman** (Betscher). Clear yellow flowers appearing in late July and continuing through Aug. 4 ft.

*Unless otherwise noted:*  
\$1.25 each, \$12.00 per doz.

### Heuchera

**Pluie de Feu.** (R). The Coralbells in a shower of fire.

**Rosamonde.** (R). Coral pink form.

### Hibiscus

*Rose Mallow*

**Mallow Marvels.** White, pink, or red. 4 ft. July to Sept. \$2.00 for 3, \$6.00 per doz.

### Hippocrepis

**Comosa, "Golden Dawn."** (R). A very beautiful, neat mat with exquisite compound leaves, producing masses of golden, pea-shaped flowers in crowns during May and June. This is an excellent plant for hot, dry and sunny exposure.

### Hollyhock

**Chater's Double.** White pink, rose, Newport pink, yellow, scarlet, and mixed.

**Single.** In mixture only.

### Hosta - Plantainlily

**Caerulea** (Funkia). Broad green leaves blue flowers in July and Aug. 1½ ft.

**Plantaginea grandiflora** (Subcordata). Fragrant, pure white, Lily-like flowers. 2½ ft. Aug., Sept. Fine for shady places.



Erica Mediterranea



Double Hollyhocks

## Perennial Plants

### Hyssopus

**Officinalis.** (R). An aromatic shrub with purple flowers from July to Oct. 10-12 in.

### Iberis

#### Perennial Candytuft

**Gibraltarica.** White, tinged rose. 1 ft. May, June.

**Sempervirens.** Pure white flowers in May and June.

### Inula

**Ensifolia.** (R). A fine cut, large yellow Daisy, in clusters on dense mats. Summer blooming. 6 in.

### Iris

**Cristata.** (R). The Marsh Iris of the Carolinas. Like an Orchid growing close to the ground. 4 in.

**Pumila cyanea.** (R). Dwarf Iris of deep blue.

**Pumila, Prairie Gem.** (R). Clear bright yellow.

**Pumila, The Bride.** (R). A white form.

**Verna.** (R). Deeper lavender with gold veining. Best in shade.

### Tall Bearded Iris

May to Mid-June

#### RECENT INTRODUCTIONS

**Easter Morn.** Beautiful, large, fragrant white.....\$1.25

**Mary Geddes.** Light salmon, overlaid Pompeian red. Dykes Medal Winner, 1936..... 1.75

**Dorothy Dietz.** White with purple falls; very brilliant..... .75

**Castalia.** Very fine lavender blue. .85

**Dauntless.** Rich deep rose red... .90

**Nene.** Immense showy violet red. 1.00

**Pink Satin.** Lovely pale pink. Color is smooth and delicate.. .75

**Grace Sturtevant.** Deep velvety maroon, bright orange beard..... .75

**Airy Dream.** Light mauve pink. .75

**Rameses.** Rose, pink and buff shading to yellow near the edges. Heavy apricot beard. Tall and vigorous..... .75

**Depute Nomblot.** Purple maroon overlaid bronze. One of the world's finest..... 1.00

**Melodoric.** Impressive deep purple..... 2.00

**Black Wings.** Very dark blue purple with frosty luster on the falls..... 1.25

**Collection: One each of the above thirteen varieties, \$12.00**

### Tall Bearded Iris—Continued

#### SELECTED VARIETIES

**Andante.** Rich red purple.

**Beau Sabreur.** Gold and deep red.

**Cardinal.** Lavender and red purple.

**Debutante.** Dainty cream, pink falls.

**Dolly Madison.** Mauve and gray blend. Yellow center.

**Gold Stream.** Pure white with orange beard.

**Henri Riviere.** Cream yellow, purplish falls.

**Migard.** Yellow shaded pink. Ruffled petals.

**Pluie d'Or.** Solid golden yellow.

**Sequoia.** Blended maroon.

**Sonata.** Buff and lilac blend.

**True Delight.** White edged pink.

**Any of the above varieties: 60c. each, 3 for \$1.50**

#### POPULAR VARIETIES

**Cinnabar.** Bright red purple.

**Georgia.** Bright mauve.

**Gold Imperial.** Golden yellow.

**Mary Gibson.** Blended copper.

**Mildred Presby.** Cream and maroon bicolor.

**Princess Beatrice.** Light lavender blue.

**Purple Lace.** Blue purple self.

**Rhiengauperle.** Light pink.

**Rhein Nixe.** White with purple falls.

**Romola.** Pink with purple falls.

**Seminole.** Rose red.

**Yeoman.** Blue with purple falls.

**Any of the above twelve varieties: 40c. each, 3 for \$1.00**

### Japanese Iris

Late June through July

**Carlton Childs.** Single. Ivory white, veined plum.

**Catherine Parry.** Double. Blue, overlaid rosy red.

**Gold Bound.** Double, pure white, gold center.

**Josephine Heywood.** Single. Rich blue, purple sheen.

**Lila Wilcox.** Double. Light blue, center blotched yellow.

**Mrs. J. Alexander Hayden.** Double. White edged pale violet.

**Purple and Gold.** Double. Violet purple, gold center.

**Pyramid.** Double. Violet blue, veined white center.

Strong, field clumps only, \$1.00 each, \$10.00 per doz.

**Collection: One each above eight varieties, \$7.00**



Bearded Iris



Japanese Iris

## Perennial Plants



English Lupin



Pachysandra



Poppy Golden Wonder

### Lavandula

#### Sweet Lavender

**Munstead** (English Lavender). (R). Very fragrant, silvery foliage.

### Leontopodium

**Alpinum** (Swiss Edelweiss). (R). A snowy dwarf 4 in. high with mossy gray flowers centered with yellow.

### Liatris

#### Kansas Gayfeather

**Pycnostachya**. Rosy purple flowers on 5-ft. spikes. Aug.-Sept.

### Lily-of-the-Valley

No garden is complete without this lovely Spring bloomer. Extra heavy clumps, 60c. each, \$5.50 per doz.

### Linum - Flax

**Perenne**. Pale blue flowers and feathery foliage. 1½ ft. June, July.

### Linaria

**Alpina**. (R). A dainty Toadflax of purple and orange. Of pure charm. Summer blooming. 3 in.

### Lotus

**Corniculatus florepleno**. (R). A prostrate mat bearing double yellow flowers tinged with maroon. Fine for flagging.

### Lupinus - Lupin

**Polyphyllus**. Deep blue, white, rose pink. 4 ft. June, July.

**Polyphyllus, Regal Hybrids**. Many new shades and colors.

All Lupins, \$2.00 for 3, \$6.00 per doz.

### English Hybrid Lupin

The English gardeners have succeeded in developing the lovely Lupin from the more usual colors of blue and purple into a beautiful range of tones. So that in these new hybrids we think of a range of colors covering nearly the whole palette. Beginning with purest white, they travel into the cream colors, soft pinks, buff, orange and old rose often with an undertone of deeper color on the keel. And even the blues and purples have achieved a new richness. The fine form and substance of these new Lupins make them doubly desirable. Offered in mixture only. From 3½ in. pots, \$1.75 for 3, \$6.00 per doz.

### Lychnis

**Viscaria florepleno**. (R). Heads of deep crimson. May-June. 12-18 in

### Mertensia - Bluebells

**Virginica**. Light blue, nodding, bell-shaped flowers. 1 ft. April, May.

### Monarda - Bergamot

**Didyma**. Brilliant scarlet crimson. 3 ft. July, Aug.

### Nepeta

**Mussini**. (R). A rampant Mint bearing hordes of lavender flowers during Midsummer. Good for naturalizing. **Souv. de Andre Chaudron**. (R). A dark form of the above.

### Nierembergia

**Rivularis**. (R). Sessile cups of white open to the sky throughout the Summer from June on. 2 in.

### Oenothera

#### Evening Primrose

**Caespitosa**. (R). One of the loveliest of the Evening-primroses, with flowers open in the day time. Large white flowers of rich fragrance from June on. 4-6 in. high.

### Pachysandra terminalis

#### Japanese Spurge

A low evergreen shrub for ground-cover in shaded areas. Glossy green leaves form compact plants 6 to 8 inches high, spreading rapidly.

Per doz.....	\$3.00
Per 100.....	\$20.00
Per 1000.....	\$120.00

### Papaver

**Alpinum**. (R). An Alpine Poppy of exquisite beauty in pastel shadings. Continuous blooming. 4-6 in.

**Nudicaule, Coonara Pink**. (R). An Iceland Poppy of good color. 10-12 in. blooming all Summer.

**Nudicaule amurense (Golden Wonder)**. (R). A lovely golden yellow Iceland Poppy with very large flowers on long, wiry stems.

**Oriental** (Oriental Poppy).

**Cerise Beauty**. Cerise pink, flushed crimson center.

**Gerald Perry**. Apricot pink, blotched crimson.

**May Queen**. Double. Rich scarlet, shaded salmon.

**Mrs. Perry**. Soft salmon rose.

**Royal Scarlet**. Vivid red, dark center.

### Pentstemon

**Barbatus torreyi**. Small, bright scarlet flowers. 3 ft. July, Aug.

CARL GIESSLER, INC.

## Perennial Plants

### Hardy Phlox

- Camillo Schneider.** Brilliant scarlet red.  
**E. I. Farrington.** Bright salmon pink.  
**Ethel Pritchard.** Lavender blue.  
**Fraulein G. Von Lassburg.** Pure white.  
**Jules Sandeau.** Pure pink.  
**Leo Schlageter.** Brilliant scarlet carmine, dark eye.  
**Margaret Gavin Jones.** Pink, carmine eye.  
**Miss Lingard.** Pure white. Early.  
**Milly.** Soft pink suffused mauve.  
**Riverton Jewel.** Mauve rose, red eye.  
**Saladin.** Brilliant orange scarlet.

*Any of the above:*

*\$1.50 for 3, \$3.50 per doz.*

**Columbia (Pat. 118).** Cameo pink with a faint blue eye. Massive flower heads. The foliage is mildewproof.

*\$1.50 for 3, \$4.50 per doz.*

**Salmon Glow.** Lively flame pink shaded salmon, softened with white tints at the center. 50c. each, \$5.00 per doz.

### Phlox

**Adsurgens.** (R). A native trailer with bright evergreen leaves, deep purple crimson bloom. Semi-shade is best for this.

**Amoena.** (R). Heads of deep pink flowers 6 in. high. Spring blooming.

**Camla.** (R). A new form to this country of the *Subulata* group. Large flowers and handsome foliage. Rare. \$1.00 each, \$10.00 per doz.

**Divaricata.** (R). The early blue Phlox of woodlands. 8 in.

**Divaricata laphami.** (R). Deep lavender blooms with well-formed heads.

**Subulata alba.** (R). The white Mountain Pink.

**Apple Blossom.** (R). Delicate pink.

**Atropurpurea.** (R). Bougainvillea pink.

**Brittoni.** (R). Shower of white stars.

**Blue Hills.** (R). The blue of Phlox divaricata.

**G. F. Wilson.** (R). Delicate lavender.

**Nelsoni.** (R). A compact white form.

**Rosea.** (R). The original warm pink.

**Vivid.** (R). More like a garden Phlox in miniature.

### Physostegia

*False-dragonhead*

**Virginiana Vivid.** Deep pink. 1½ ft. Aug., Sept.

**Virginiana alba.** White. 2 ft. July, Sept.

### Platycodon

*Balloonflower*

**Blue Gem.** Clear blue spikes all Summer. 1½ ft..

**Grandiflorum.** Blue, bell-shaped flowers. 2 ft. July, Oct.

**Grandiflorum alba.** Pure white form of above.

### Potentilla

**Cinerea.** (R). A charming yellow Cinquefoil of early Spring with an abundance of bright yellow flowers. Compact mats.

### Primula

**Acaulis florepleno, Lavender Queen.** (R). Double lavender flowers in large heads. Sweet-scented. Spring. 4-6 in. \$1.75 for 3, \$5.00 per doz.

**Beesiana.** (R). Tiers of velvety purple flowers. From May to July. 18 to 24 in.

**Bulleyana.** (R). A candelabra type with orange yellow whorls.

**Cortusoides.** (R). Masses of deep rose flowers on 12-in. stems. Early in the Spring and again in the Fall.

**Denticulata.** (R). Full rounded heads of soft violet flowers in April and May. 10-12 in.

**Moerheimi.** (R). A hybrid Japanese type, very floriferous, in shades of pink, orange and terra cotta.

**Veris, Munstead Giants.** (R). Yellow and cream shades on long stems, early in the Spring.

**Vulgaris acaulis.** (R). This is the true English Yellow Primrose. Very fragrant.

### Pyrethrum

*Painted Daisy*

**Hybridum.** Many colors in mixture. Single flowers. 2½ ft. Spring and Fall.

**Hybridum Crested Double.** The fully double flowers of outstanding beauty, borne on long stems, are often 3 inches across.

**Florence Shadley.** Light shell pink.

**Imperial.** Very double center with deep red petals.

**Purity.** Beautiful snow white.

**Queen of May.** Rose pink.

*\$1.75 for 3, \$6.00 per doz.*



Hardy Phlox

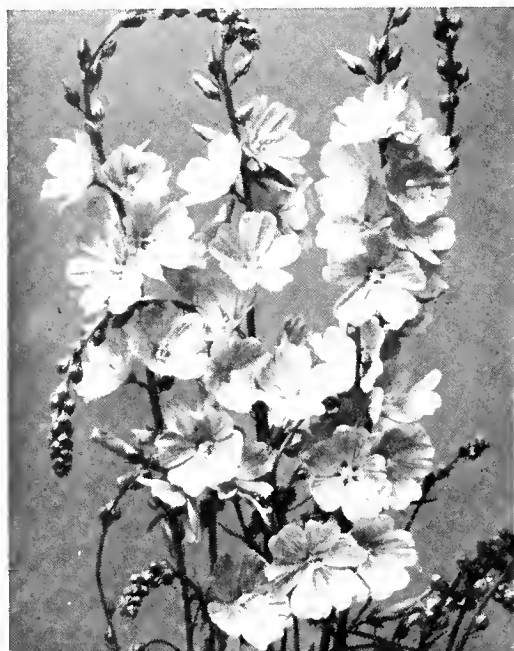


Primula Acaulis



Scabiosa

## Perennial Plants



Sidalcea



Salvia Azurea



Trollius

### Rudbeckia

#### Coneflower

**Fulgida Hybrids.** Large flowers, 3-4 inches across, in shades of orange and yellow. Some are beautifully marked with brown or reddish tips, with a beautiful, high brownish cone in the center. 2-3 ft. high, blooming over a period of 4-6 weeks in late Summer. An excellent cut flower. \$1.75 for 3, \$5.00 per doz.

### Salvia - Sage

**Azurea.** Light azure blue. 3 ft. Aug. to frost.

**Pitcheri.** Dark blue. 3 ft. Sept., Oct.

### Santolina

**Incana.** (R). A shrublet with yellow flowers and aromatic foliage. 8 in.

### Saponaria

**Ocymoides.** (R). Bright pink flowers, trailing. 1 ft. All Summer.

### Saxifraga

**Aizoon, rosea, macnabiana.** (R). These are a few of the sturdier types, making beautiful encrusted mats.

**Cordifolia.** (R). Large, leathery leaves with heads of pink flowers early in the Spring. Does best in semi-bog.

### Scabiosa - Blue Bonnet

**Caucasica** (Isaac House Strain). Fringed and ruffled blue shades. 2 ft. June, Sept.

**Caucasica alba.** Pure white. 2 ft. June, Sept.

**Japonica.** Clear blue. 2 ft. June Sept.

**Parnassi.** (R). Charming gray foliage with flowers of mauve pink. June until late Fall. 3 in.

### Sedum

We are offering a group of the better varieties of Stonecrops, which are quite indispensable in the rock garden.

**Acre, album, dasyphyllum, ewersi, hispanicum minus ibericum, kamtschaticum, lyidium, lyidium glaucum, middendorffianum, nevi, nevi specie, sieboldi, sex-angulare, spectabile** Brilliant.

### Sempervivum

#### Hen-and-chickens

Splendid for crevice work in bold outcroppings and in dry wall. (R).

**Alberti, arachnoideum, Alpha, arenarium, atroviolaceum, Beta, blandum, fauconetti, Gamma, glaucum, globiferum, montanum, tectorum.**

### Shasta Daisy

**Alaska.** Large, single pure white flowers. 2 ft. July, Oct.

**For other Varieties, see Chrysanthemums.**

### Sidalcea

#### Prairie Mallow

**Rosy Gem.** Deep rose. 2½ ft. June, July.

### Silene

**Alpestris.** (R). A dazzling mass of pure white flowers in June. 4-6 in.

**Maritima.** (R). A glaucous mat with large white flowers from June on.

**Pennsylvanica.** (R). Beautiful dark rosettes from which spring 4-6 in. stems covered with lovely rose-colored flowers. \$1.75 for 3, \$5.00 per doz.

### Stokesia

#### Cornflower Aster

**Laevis lilacina grandiflora.** Silver blue, suffused lilac at center, very large flowers. 2 ft. July, Oct.

### Teucrium

**Chamaedrys.** (R). A splendid shrublet often used for edging instead of Box, with pink flowers from July on.

### Thymus

**Marshalli.** (R). A newcomer from England, producing soft rose flower heads. 3 in. during June and July.

**Serpyllum coccineus.** (R). The favorite aromatic Thyme for flagstone crevices, and for sheathing bold outcrops. Deep crimson flowers during the Summer.

**Serpyllum albus.** (R). Another prostrate mat with glistening white flowers.

**Serpyllum roseus.** (R). A delightful shade of light pink. Very pungent.

**Serpyllum citriodorus.** (R). The favorite lemon-scented Thyme.

### Trollius

#### Globeflower

**Europaeus, Eleanor.** (R). Very large, double yellow Chinese Buttercups during May and June.

**Ledebouri, Golden Queen.** (R). A late blooming variety producing long stems, 2½-3 ft. high, covered with large golden orange flowers. From late June on through July.

## Tunica

**Saxifraga floreplesno.** (R). Luxuriant masses of double rose pink flowers rising from mats of grassy foliage. A riot of color from July until Fall. 4 in.

## Valeriana

### Garden Heliotrope

**Officinalis rubra.** Rosy crimson. 3 ft. June, July.

## Veronica - Speedwell

These excellent subjects are more adaptable to partially shaded exposures but will do quite well in full sun. They make for an abundance of color in season.

**Amethystina.** (R). Short spikes of blue flowers. 8-10 in. May.

**Blue Spire.** A fine hybrid of subsessilis, with dark blue flowers. Very bushy. Blooms all Summer. \$1.75 for 3, \$5.00 per doz.

**Corymbosa stricta.** (R). A very compact form with spikes of deepest blue. 4-6 in. In June-July.

**Erica, Pink.** (R). Close tufts of vivid green foliage with short tapering spikes of pink. 6-8 in.

**Erica, Blue.** (R). Of similar habit but with blue flowers. June and July.

**Incana.** (R). Gray foliage and of compact habit, producing long blue spikes during June, July, Aug. 12 in.

**Lyalli.** (R). Deeply cut foliage which gives it a fine lacy effect, with charming blue flowers suspended upon willowy branches. Splendid for naturalizing in sun or shade. Spring.

**Longifolia subsessilis.** (R). The flowers are produced on massive spikes of an intense gentian blue through the Summer until late Fall. 18-24 in.

**Nummularia.** (R). A prostrate mat with evergreen foliage and myriads of blue stars. Very choice. Spring. 4-6 in.

**Rupestris, Heavenly Blue.** (R). One of the loveliest of the blue ground-covers. Bright green mosaics producing a wealth of deep blue flowers. 2 in. May and June.

## Collection Offers for Special Planting Needs

**No. 3—\$15.00.** Collection of 100 Rock Plants for a shady corner. (10 varieties, our selection.)

**No. 4—\$15.00.** Collection of 100 Rock Plants for a sunny exposure. (10 varieties our selection.)

**No. 5—\$15.00.** Collection of 100 Rock Plants for the wall garden. (10 varieties our selection.)

**No. 6—\$15.00.** Collection of 100 Rock Plants for flagging and crevice work. (10 varieties, our selection.)

## Vinca - Periwinkle

**Alpina.** (R). A new Vinca, with compact masses of evergreen foliage profusely covered with deep claret-colored flowers, blooming steadily from early June on, until late frost. This unusual ground cover can be used in either partial shade or in full sun. We offer extra-heavy field grown plants. \$1.75 for 3, \$5.00 per doz.

**Minor, Bowle's Variety.** (R). This form of the old favorite has flowers of an exquisite shade of blue, and blooms freely from early Spring throughout the season. \$1.75 for 3, \$5.00 per doz.

**Minor.** (R). Masses of blue flowers, in the Spring.

## Viola

**Arkwright Ruby.** (R). A rich wine colored variety with large flowers throughout the season.

**Avalanche.** (R). The large white flowers are abundant throughout the season.

**Chantryland.** (R). Apricot flowers from early Spring until July and again in the Fall.

**Gracilis, Eisenach Jewel.** (R). Deep violet flowers surmounted above tufts of grasslike foliage.

**Jersey Gem.** (R). Deep purple flowers from early in the Spring on. This is one of the most enduring of the perennial Violas.

**Jersey Gem, alba.** (R). A similar form with white flowers.

**Mary Emma.** (R). Enormous bright yellow flowers slightly ruffled, blooming continuously from early in May.

**Maggie Mott.** (R). A most delightfully scented Viola with soft lavender flowers. This blooms steadily from early in May until frost.

## Yucca - Adams Needle

**Filamentosa.** Large clusters of creamy white, bell-shaped flowers on 5 ft. spikes. July, Aug.

## Friendly Rock Garden Collections

These Rock Garden Collections have been especially designed for those who are remodeling their gardens and who require plants in quantity. The prices are exceedingly moderate but the quality of the plants is of the highest standard. The varieties are carefully selected by us with the object of producing a long succession of bloom. None but the hardiest varieties are offered.

**No. 1—\$50.00.** Collection of 350 Rock Plants (40 varieties our selection). Regular price \$85.00.

**No. 2—\$25.00.** Collection of 175 Rock Plants (20 varieties our selection). Regular price \$20.00.



Valeriana



Viola



Yucca



Double Begonias



Hyacinthus Candicans



Alstroemeria

# Summer Flowering

## Alstroemeria

Charming Lilylike flowers borne on long stems, 3-4 ft. high. Roots may be stored over Winter in a moderate temperature, divided and planted in early April. Select a moist, sunny spot. \$3.00 per doz., \$22.00 per 100.

## Amaryllis Halli

### *Lycoris Squamigera*

Very hardy Amaryllislike flower and plant. Swordlike foliage appears in the early Summer dying down to the ground in July. In early August, the flowering stem appears growing 2-3 feet tall and bearing large clusters of fragrant light pink flowers. Sun or partial shade. \$1.50 each, \$15.00 per doz.

## Anemone

### *Giant French Poppy-flowered*

Plant in early Spring or very late Fall in a light soil. Select a spot protected from Winter winds. Beautiful single, Poppylike flowers growing 8-12 inches tall, will bloom from Midsummer on. Excellent for cutting. Protect with a heavy mulch over Winter. Plant 3 inches deep. \$1.00. per doz., \$6.00 per 100.

## Begonias

### *Tuberous-rooted*

An ideal subject for shade and semi-shaded locations. The large flowers both single and double bloom continuously throughout the Summer until frost. For early bloom, start in boxes or pots in February or March, using a light soil and covering with a layer of sand or sphagnum moss. Set outside as soon as frost danger is passed. For blooms from July on, tubers may be planted directly outside in early May.

#### Giant Single Flowering:

Rose, Salmon, Crimson, Yellow, White, Mixed.

\$3.00 per doz., \$20.00 per 100.

#### Giant Flowering Double:

Salmon, Pink, Crimson, Yellow, White, Mixed.

\$3.00 per doz., \$20.00 per 100.

## Canna

Plants only. Prices and varieties quoted upon request.

## Gloriosa Superba

### *Climbing Lily*

**Rothschildiana.** A splendid climbing Lily easily grown in the greenhouse and conservatory. It grows 6-10 feet high with large, Lilylike flowers which open yellow but gradually change to deep scarlet, blooming throughout the Summer and Fall. Bulbs should be planted from November to February in a good garden loam in tubs or 8-in. pots. \$1.50 each, \$12.00 per doz.

## Hyacinthus Candicans

### *Summer-hyacinth*

Pure white, bell-shaped flowers similar to Hyacinths but more widely spaced on spikes 3-4 feet high, blooming from late July until September. Plant the bulb 6 inches deep in a sunny, well-drained location. \$1.50 per doz., \$10.00 per 100.

## Ismene Calathina

### *Peruvian Daffodil*

Large, pure white, Amaryllislike flowers are borne on stems about 18 inches long. Delightfully fragrant and bloom for a long time. Cover the bulbs with 3 inches of soil outside in May or June for bloom beginning in mid-July. Be sure to lift the bulbs in October before heavy frost and keep in a moderate temperature over Winter.

\$3.00 per doz., \$20.00 per 100.

## Tigridia

### *Mexican Shellflower*

Gorgeous, waxlike flowers with spotted throats and swordlike foliage—the stems resembling Gladioli. Every day a new flower appears from the bud sheath. In bloom from Midsummer to frost. The colors in this mixture include bright yellow, orange, rose, and scarlet. 18 inches high. For early blooming start in pots in the frame in April or plant the bulbs outside from early May to the end of June. Plant 4 inches deep and 6 inches apart in moderately dry soil in full sun. \$2.00 per doz., \$15.00 per 100.

# Bulbs and Vines

## Montbretia

### Earlham Hybrids

Graceful Gladioluslike flowers fully 3 inches across but of looser, more open appearance on wiry stems. Excellent material for show in clumps in the garden as well as for cutting, 1½ to 2 feet high. Whenever possible plant the bulbs in early April in a rich, light, well drained soil either in full sun or semi-shade. They require plenty of moisture. Plant the bulbs 4 inches deep and about 6 inches apart in clumps of six or more bulbs. Protect with a heavy mulch over Winter or lift the bulbs in late October, carrying them over in moderate temperature, being careful never to allow them to dry out and become hard.

**His Majesty.** Broad petals of deep velvety scarlet shading to gold at the base. \$3.00 per doz., \$21.00 per 100.

**Lemon Queen.** Creamy yellow. Orange buds. \$1.25 per doz., \$7.50 per 100.

**Marjorie.** Large, open flowers of orange yellow with crimson centers. \$2.75 per doz., \$10.00 per 100.

**Una.** Rich golden apricot flushed orange with a crimson blotch. \$2.50 per doz., \$15.00 per 100.

**Mixed Hybrids.** Including many attractive shades not found in the separate varieties. \$1.00 per doz., \$5.00 per 100.

#### Collections:

*Six bulbs each of the above four varieties, \$4.00*

*Twelve bulbs each of the above four varieties, \$6.50*

*Twenty-five bulbs each of the above four varieties, \$12.00*

## Ranunculus

**Giant French Hybrids.** Large, double and semi-double flowers resembling huge buttercups on long stems. The colors in this mixture include shades of yellow, orange, pink, and red. \$1.00 per doz., \$6.00 per 100.

## Tuberose

**Double Pearl.** Glistening, waxy white, full double fragrant flowers on long spikes. Excellent material for late summer and Fall bloom in the garden. Plants do best in a light soil. Cover the bulbs 1 in. deep in a fairly sunny place. Bulbs started in March in hotbeds or greenhouses will bloom in July. Plant outside in May for bloom from September on. \$1.50 per doz., \$9.00 per 100.

## Vines

### Ampelopsis

**Veitchi** (Boston, or Japanese Ivy). Large, shiny leaves which change to brilliant purple or red in the Autumn. 60c. each, \$6.00 per doz.

### Clematis

**Duchess of Edinburgh.** Double pure white. \$1.25 each, \$12.00 per doz.

**Elsa Spaeth.** True bright blue with rich dark center. \$1.50 each, \$15.00 per doz.

**Henryi.** Very large, creamy white. \$1.25 each, \$12.00 per doz.

**Jackmani.** Large, purple. \$1.25 each, \$12.00 per doz.

**Lawsoniana.** Blue flushed with mauve. Overlapping petals. \$1.75 each, \$18.00 per doz.

**Lord Neville.** Velvet plum red. Long flowering. \$2.25 each, \$22.00 per doz.

**Mme. Edward Andre.** Profusion of dull red blooms. \$1.25 each, \$12.00 per doz.

**Paniculata.** Small white, sweet-scented flowers in large clusters. 60c. each, \$6.00 per doz.

**Ramona.** Single pale lavender blue, dark anthers. \$1.25 each, \$12.00 per doz.

**William Kennett.** Deep lavender. Blooms from June to Sept. \$1.50 each, \$15.00 per doz.

### Euonymus

**Radicans vegetus** (Evergreen Bittersweet). An exceptionally hardy vine with evergreen foliage growing from 20 to 30 ft. Dark green, dense glossy foliage with superb red fruits in the Fall. 75c. each, \$7.50 per doz.

### Lonicera

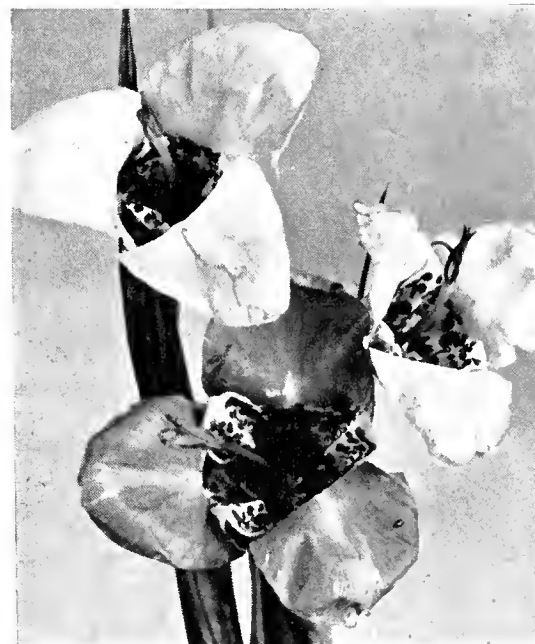
**Halliana** (Japanese Honeysuckle). Climbs to a height of 12 to 15 ft. The leaves are dark, glossy and evergreen. The sweet-scented flowers open white, changing to buff yellow. 60c. each, \$6.00 per doz.

### Polygonum

**Auberti** (Silver Lace Vine). Foamy masses of lacelike white flowers in September are carried on plants which often reach a height of 25 ft. The plants are seldom troubled by a diseases. \$1.00 each, \$10.00 per doz.



Montbretia



Tigridia



Clematis Paniculata

# Garden Lilies

## For Lasting Beauty, Graceful Form and Delightful Fragrance

Plant them throughout your garden as well as woodland border, paths and other natural settings which will enhance their beauty. We have tried to list only the varieties which are of easy culture, but we will be very glad to quote on any other varieties which might interest you.

For depth of planting Lilies may broadly be put into two classes, those which depend on roots coming from stems above bulb (stem rooting), and those which root only from base of bulb (base rooting). Stem rooting bulbs should be planted deeply, base rooting at a more shallow depth.

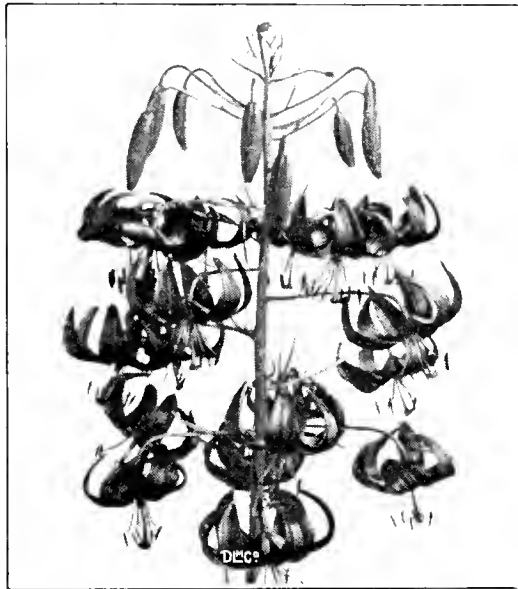
Stem rooting Lilies produce roots growing close to the surface. Best results will be obtained if you broadcast seed of low growing annuals to shade the surface and prevent the drying out of the soil. Use annuals that will give a mass of color all Summer.

Variety	Depth of Planting	Blooming Period	Color	Hght. in ft.	Remarks	Price	
					s.—sun s.s.—semi-shade sh.—shade	Doz.	100
<b>Auratum</b> .....	8-12 S.R.	July-Aug.	White, spotted r'dish brown	4-6	s. and s.s.	\$3.50	\$26.00
<b>A. platyphyllum</b> .....	8-12 S.R.	July-Aug.	White with light spots	4-6	s. and s.s.	4.50	35.00
<b>Canadense</b> .....	8-10 S.R.	June-July	Yellow to red shades	3-5	s. and s.s. moist	3.00	18.00
<b>C. rubrum</b> .....	8-10 S.R.	June-July	Deep red	3-5	s. and s.s. moist	3.50	20.00
<b>Elegans atrosanguineum</b>	6 B.R.	June-July	Dark red	1-2	Flowers face up. s.	3.50	20.00
<b>E. Leonard Joerg</b> .....	6 B.R.	June-July	Rich apricot	1-2	Flowers face up. s.	3.50	20.00
<b>E. Quilp</b> .....	6 B.R.	June-July	Vermilion	1-2	Flowers face up. s.	4.00	30.00
<b>Formosanum</b> .....	6 B.R.	Aug.-Oct.	Pure white, outside tinted rose	5-6	Delightful scent s. and s.s.	3.50	25.00
<b>Hansonii</b> .....	6 B.R.	June	Rich orange yellow, brown spots	4-5	s. and s.s.	5.00	38.00
<b>Japonicum</b> .....	8-10 S.R.	June-July	Light pink	3-4	s. and s.s.	6.00	45.00
<b>Pardalinum</b> .....	5-6 B.R.	July	Bright orange, crimson spots	4-6	s. moist. 12-20 flws.	3.50	25.00
<b>Regale</b> .....	8 S.R.	July	White, reverse pink yellow throat	3-5	s. and s.s. Sweet-scented	3.00	18.00
<b>Speciosum album</b> .....	8-10 S.R.	Aug.-Sept.	Pure white, yellow anthers	3-5	Very sturdy. s., s.s.	4.50	35.00
<b>S. melpomene</b> .....	10-12 S.R.	Aug.-Sept.	Deep carmine pink, white margin	3-5	Very sturdy. s., s.s.	4.50	35.00
<b>S. rubrum magnificum</b> ..	10-12 S.R.	Aug.-Sept.	Rich pink, deeper in center, crimson spots	3-5	Very sturdy. s., s.s.	4.50	35.00
<b>S. henryi</b> .....	10-12 S.R.	July-Aug.	Orange, spotted reddish brown	5-7	s., ss., sh. Attractive in woodland planting	5.00	35.00
<b>Superbum</b> .....	5-6 S.R.	Aug.	Crimson orange	4-6	s., ss., sh. Fine for woodlands	3.00	20.00
<b>Tenuifolium</b> .....	4 S.R.	June-July	Deep scarlet	1½-2	Good rock garden subject. s. and s.s.	2.50	18.00
<b>Tigrinum</b> .....	9-10 S.R.	Aug.-Sept.	Orange red, spotted purple	4-5	Improved Tiger Lily s. and s.s.	3.00	20.00
<b>T. florepleno</b> .....	9-10 S.R.	Aug.-Sept.	Orange red, spotted purple	4-5	Doubleform of above	3.50	25.00
<b>Umbellatum erectum</b> ...	8 S.R.	June	Rich red	2-3	Cup-shaped. s., s.s.	3.00	20.00
<b>U. Golden Fleece</b> .....	8 S.R.	June	Old gold, tipped scarlet	2-3	Cup-shaped. s., s.s.	8.00	62.00

## Garden Lilies



*Lilium Speciosum*  
*rubrum magnificum*



*Lilium Tenuifolium*



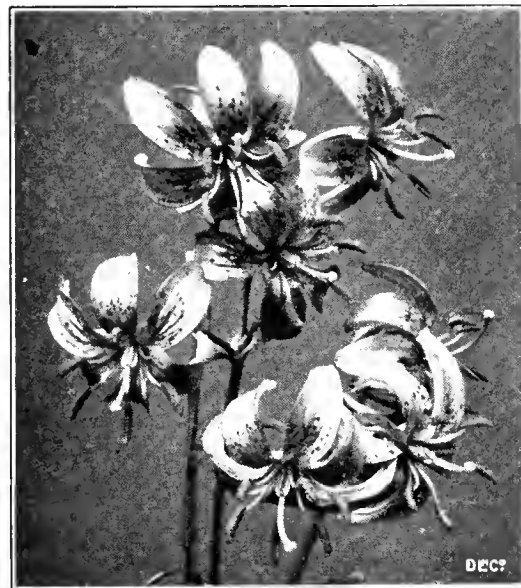
*Lilium Umbellatum Erectum*



*Lilium Speciosum Henryi*



*Lilium Tigrinum*



*Lilium Hansonii*



*Lilium Regale*



*Lilium Formosanum*



*Lilium Auratum*



# Gladiolus

## CULTURAL DIRECTIONS

For color, form, keeping quality, show in garden or cut, and ease of growing, few flowers compare with Gladioli. Plant the bulbs, termed corms, in clumps of six or more bulbs throughout the flower borders. Plant them 6 inches deep and 4 to 6 inches apart. In the cutting garden, plant in rows 18 inches apart.

Gladioli will grow in any fertile soil. For best results, add some dried cow manure and mix it well into the soil. Make the first planting while the ground is still cool (mid-April

in New York area) and continue every three weeks until June 1st.

When the growth is 6 inches high, begin spraying with a contact insecticide for thrip control. Spray once a week until the buds show color. Fertilize 3 or 4 times and cultivate often while plants are growing and soak well during dry spells. All bulbs should be dug by mid-October.

If you follow these simple directions, your reward will be blooms equal to those seen at any exhibition.

## Exhibition Varieties

A select group of varieties seen most often in shows.

	Doz.	100
* <b>Blue Admiral.</b> Tall, medium violet blue.....	\$2.00	\$14.00
* <b>Dr. Hoeg.</b> Dark maroon red.....	3.50	25.00
<b>Early Peach.</b> Bright peach pink. Decorative type.....	4.00	30.00
<b>Gertrude Swensen.</b> Bright pink with white blotch on lower petals. Light mauve feather markings.....	5.50	40.00
<b>J. S. Bach.</b> Bright salmon with lighter throat. Long blooming spike.....	5.50	40.00
<b>Kassel.</b> Large, clear scarlet blooms of great size.....	5.50	40.00
<b>King Arthur.</b> Bright mallow pink, flaked mallow purple. Petals fluted and ruffled.....	1.25	8.50
<b>Miss New Zealand.</b> Immense salmon pink florets with darker throat blotch. Very tall stately spikes.....	8.00	65.00
* <b>Mildred Louise.</b> Salmon pink, lower petals tipped Strawberry pink.....	.90	6.50

	Doz.	100
<b>Ninth Symphony.</b> Glowing salmon scarlet. Very clear color with florets beautifully spaced on tall spikes.....	\$8.00	\$65.00
* <b>Orange Princess.</b> Exhibition salmon orange. Tall spikes with large florets. The best in this color group.....	2.00	14.00
<b>Rapture.</b> Tall, strong, upright grower with light salmon pink flowers showing five to seven open at one time. A late Primulinus grandiflorus.....	.85	6.50
* <b>Smiling Maestro.</b> Rich orange salmon pink; tall, straight spikes with many large florets open at one time.....	5.00	38.00
* <b>Star of Bethlehem.</b> Immense pure white flowers with light purple anthers. Many florets open at one time on long flower spikes.....	4.00	30.00
<b>Sweetheart.</b> Rose pink with large white throat marking. Not a large flowering variety.....	1.50	9.00

### Collection:

Three bulbs each of the above six varieties marked *	\$4.25
Six bulbs each of the above six varieties marked *	8.00
Twelve bulbs each of the above six varieties marked *	15.00
Twenty-five bulbs each of the above six varieties marked *	28.50

## Popular Garden Varieties

Many of the old favorites have been superseded by later introductions giving larger flowers of better color on tall, straight spikes. This list includes only the better kinds.

	Doz.	100
<b>Albatross.</b> Large pure white, well placed florets on tall spikes.....	\$0.85	\$6.50
<b>*Amador.</b> Scarlet red with carmine throat markings. Large florets with many open at one time. Handsome.....	1.50	9.00
<b>Bagdad.</b> Very large, smoky old rose.....	.75	5.00
<b>Betty Co-ed.</b> Soft creamy pink.....	.90	7.00
<b>Betty Nuthall.</b> Salmon pink with yellow throat markings.....	.75	5.00
<b>*Bleeding Heart.</b> Pale pink with heavy red blotch. The spikes are very tall. An outstanding variety.....	.85	6.50
<b>*Blue Danube.</b> Amethyst blue with darker blotch.....	1.00	7.50
<b>Commander Koehl.</b> Deep red, many florets open at one time. Dark but not dull.....	.90	7.00
<b>Dr. F. E. Bennett.</b> Deep scarlet red, lip speckled ruby. A fiery red.....	.85	6.50
<b>*Duna.</b> Soft buff pink, very large flowers. Really a soft pink with cream yellow ground.....	.85	6.50
<b>Edith Robson.</b> Peach with carmine blotch, yellow throat.....	.85	6.50
<b>Frank J. McCoy.</b> Large rose pink, scarlet blotch.....	.90	7.00
<b>*Golden Cup.</b> Large, clear deep yellow.....	.85	6.50
<b>Maid of Orleans.</b> Beautiful milky white with many florets open on long spikes.....	1.00	7.50
<b>Marmora.</b> Lavender grey with dark blotch....	.75	5.00
<b>*Mary Elizabeth.</b> Tall, ruffled white with cream throat. Very lovely.....	1.25	8.50
<b>*Minuet.</b> Very large, rich lavender, still a prize winner.....	.85	6.50
<b>*Mother Machree.</b> Lavender with petal edges overlaid salmon pink. A smoky variety.....	.85	6.50
<b>*Pelegrina.</b> Lovely deep violet blue. Tall spikes well filled with florets.....	.85	6.50
<b>Picardy.</b> Soft apricot pink shading to shrimp pink at edges. Tall exhibition variety.....	.85	6.00
<b>Wasaga.</b> Slightly ruffled clear, golden buff pink.....	.90	7.00
<b>*Wurtembergia.</b> Very large, brilliant scarlet with cream throat.....	1.00	7.50

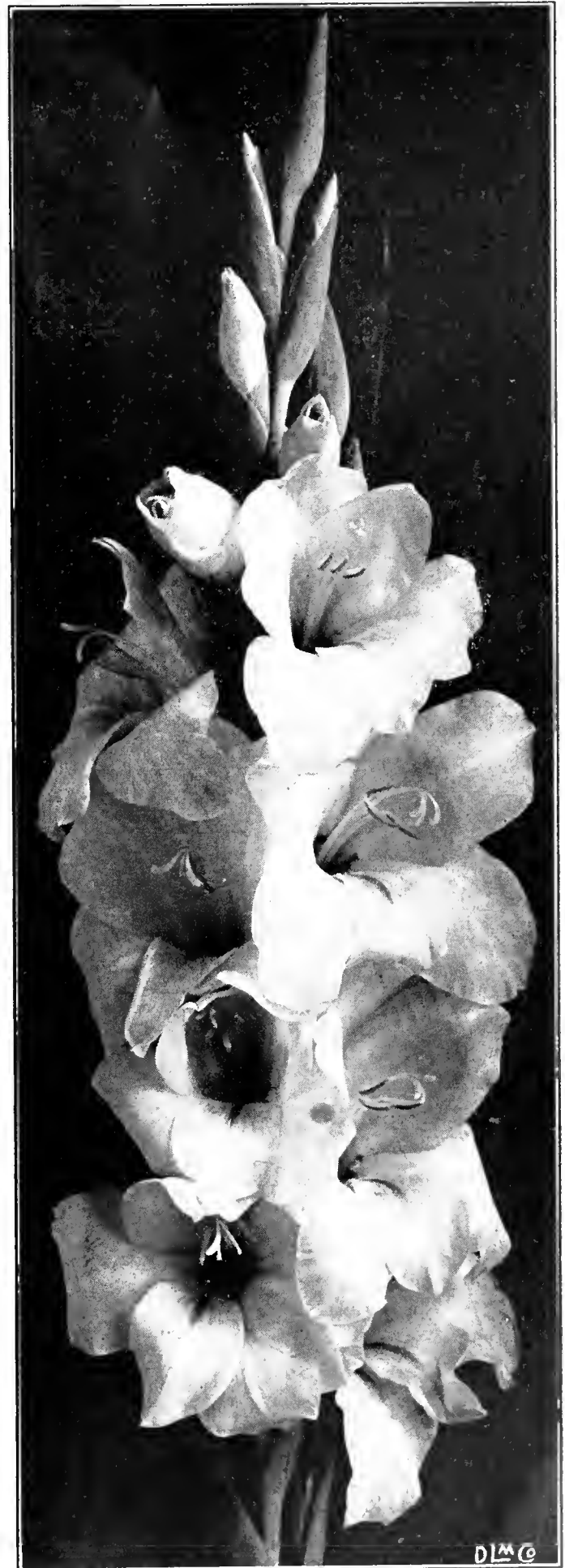
### Collection:

Three bulbs each of the above ten vars. marked \* ..\$2.25

Six each of the above ten varieties marked \*..... 4.25

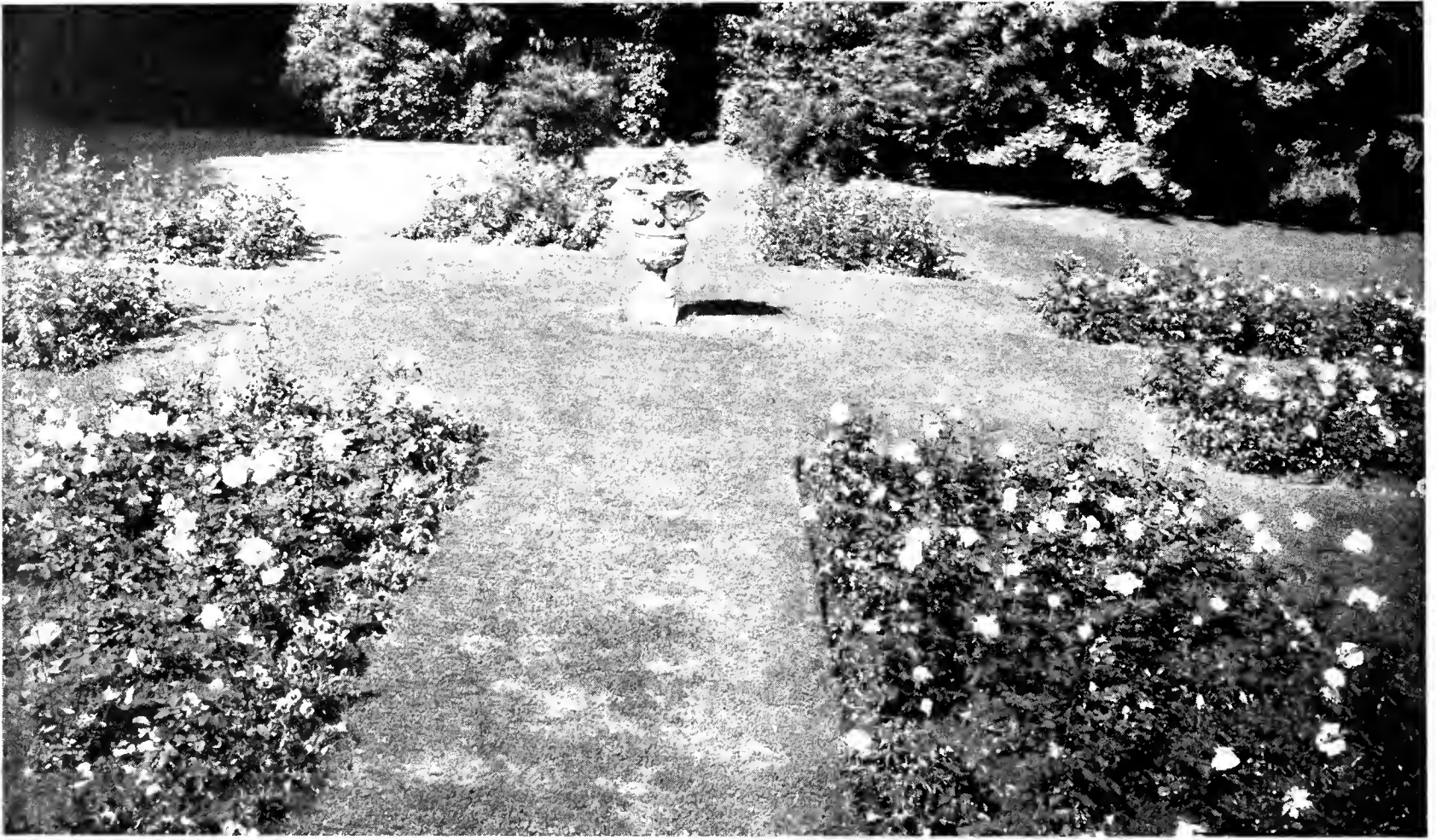
Twelve each of the above ten varieties marked \*... 8.00

**Exhibition Mixture.** Not a field grown mixture. It is made up of popular named varieties with special attention given to color, size and form. We particularly recommend this mixture for your cutting garden \$5.00 per 100, \$46.00 per 1000.



**STIM-U-PLANT**

A tablet of Stim-u-Plant inserted below each Gladiolus bulb at planting will intensify the color of both foliage and flower. 100 tablets 75c., 1000 tablets \$3.50.



## Rose Culture

**Hybrid Tea Roses**—When selecting a location for your Rose bed, preference should be given to a sunny, protected spot which has sufficient drainage to prevent water from collecting in pools on the surface of the soil after a heavy rain. They thrive in any good garden soil which is not too sandy. Dig the bed as deeply as possible, at least 18 inches turning the soil over thoroughly. When a plant dies, the blame is often placed on the soil condition or inferior stock, whereas the true cause is generally due to the drying-out of the roots. Avoid disappointment by placing the plants in pails of water until the holes are dug and ready to receive each plant. Dig the holes 18 inches deep and large enough to allow the roots to spread out and down. If possible, add a quart of well rotted manure and a tablespoonful of bone-meal and mix it well with the soil before planting the Rose bush. Set the plant into the hole so that the graft (swollen part) is 2 to 3 inches below the surface of the soil. Fill in a little at a time, firming the soil thoroughly and puddling with water until the hole is completely filled. We recommend a mulch of peat moss from 1 to 3 inches thick over the entire Rose bed. This will conserve the soil moisture and help eliminate weeds. One bale will cover 100 square feet to a depth of 2 inches. Hybrid Tea Roses should be pruned in March. Cut the branches back to 3 to 5 eyes, eliminating all dead wood and weak growth. Roses are heavy feeders so fertilizer should be applied regularly. Use a good grade general plant food analyzing about 4-8-4, applying a small handful around each plant 12 inches away from the main stem. One pound will be sufficient for five plants. At the same time, apply one handful of muriate of potash to six plants to harden the wood growth. One pound will be sufficient for fifteen plants. This should be done in early Spring, early July, and again in mid-August. Water the Rose bed thoroughly and not more often than once a week. When cutting flowers, allow one set of leaves to remain on the branch. In late Fall, after several hard frosts, hill up the earth around the stems to a height of 8 inches. After the ground is frozen hard, mulch the bed with salt meadow hay.

**Climbing Roses**—Follow directions given above except that pruning is done immediately after blooming and six to eight eyes are left on last year's wood.

# Roses

## Hybrid Tea Roses

*Dormant stock is usually available until April 10th or 15th. Best results are obtained if planting is done early in March.*

**Autumn.** Outer side of petal is pinkish red, inside golden yellow.

**Betty Uprichard.** Bright orange carmine buds opening salmon pink.

**\*Caledonia.** Pure white, well-formed.

**Chateau de Clos Vougeot.** Deep velvet scarlet and very fragrant.

**\*Cynthia.** Full, double flowers of rich Oriental red; very free flowering.

**\*Dame Edith Helen.** Double, beautifully shaped blooms of soft pink.

**Edel.** Very fine, full white.

**Edith Nellie Perkins.** Soft salmon pink inside, deeper copper rose outside.

**Etoile de Hollande.** The best medium red Rose. Fragrant and a good grower.

**\*Gaiety.** Beautifully formed flowers of pink and yellow, deepening to copper.

**\*Gypsy Lass.** The well-shaped blooms are a rich scarlet crimson with maroon shading. Healthy and vigorous.

**\*Golden Dawn.** One of the best yellow Roses. Fine foliage and fragrant, full, double lemon yellow blooms.

**Heinrich Wendland.** Nasturtium red, reverse golden yellow flowers on good stems. Fragrant

**McGredy's Scarlet.** Vivid scarlet orange at base. Vigorous and healthy.

**Miss Rowena Thom.** Bright rose shaded mauve. Very large blooms.

**Mrs. A. R. Barraclough.** Large rose pink flowers shaded with yellow and gold.

**Mrs. E. P. Thom.** A pure yellow which does not fade. Well-shaped flowers.

**Mrs. Pierre S. du Pont.** Bright yellow, deeper than E. P. Thom. Fragrant.

**Ophelia.** Blush pink with cream base. Fragrant and fine for cutting.

**President Hoover.** A combination of yellow, flame, cerise pink, and scarlet. Vigorous and free flowering.

**Radiance.** Rich pink, globular flowers with a silver cast. Tall and bushy.

**Red Radiance.** Deep red form of Radiance.

**Sir Henry Segrave.** Very full, intensely fragrant, chrome-yellow blooms which deepen in color with age. Vigorous and free blooming.

**Talisman.** Multicolor blooms of copper, red, gold, and pink.

**\*Wilhelm Kordes.** Long-pointed buds of copper salmon opening rich golden pink. Fragrant.

**Prices:** Dormant stock; 85c. ea.; 5 to 9 of a var., 75c. ea.; 10 or more of a var. 65c. ea.

**Pot-grown stock—ready May 1:** \$1.25 ea.; 10 of a kind, \$1.00 ea.

## R. M. S. QUEEN MARY

A color quite distinct from anything yet seen in Roses—a rich, glowing blending of salmon and pink with an orange base. The buds are long and pointed, and the flowers are large and beautifully formed, holding their petals a long time after fully opening. The blooms are full, freely produced, and delicately perfumed.

**Dormant plants until April 15:** \$2.00 each, \$20.00 per doz.

**Pot-grown plants, May 1:** \$2.50 each, \$25.00 per doz.

## Hardy Climbing and Rambler Roses

**Albertine.** Large, soft copper pink, vermillion buds.

**Chaplin's Pink Climber.** Large, semi-double, bright pure pink.

**Climbing American Beauty.** Large-flowered, in bud they are carmine.

**Jacotte.** Apricot orange tinged pink. Glossy green foliage.

**Mme. Gregoire Staechelin.** Huge, double, fragrant flowers of delicate pink stained crimson in bud.

**Primrose.** Large, double flowers of soft primrose yellow.

**Silver Moon.** Very vigorous with large, white, semi-double flowers. Yellow stamens.

**Prices:** Same as Hybrid Tea Roses

## Other Roses

**The New Dawn Climbing Rose** (Plant Patent No. 1). The Ever-blooming Dr. W. Van Fleet. Identical in every way with its parent in color, size and formation of its flowers, but it blooms continuously until frost. Strong, 2-yr.-old plants, \$1.50 each.

**Blaze** (Plant Patent No. 10). The Ever-blooming Paul's Scarlet Climber. Its brilliant scarlet, slightly fragrant flowers are borne all season. \$1.50 each.

*We cannot guarantee any Patent Rose Stock as we are not allowed to propagate them*

**Collection Offers—Dormant Roses**  
One plant each seven varieties marked\*.....\$5.00

Three plants, each seven varieties marked\*.....14.00

Six plants, each seven varieties marked\*.....26.00



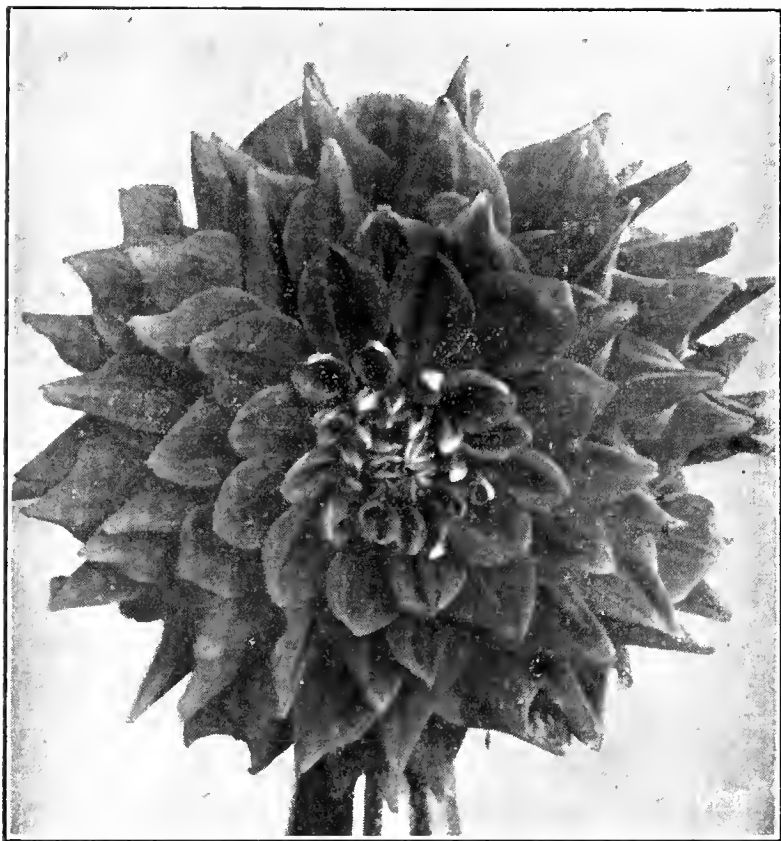
Golden Dawn



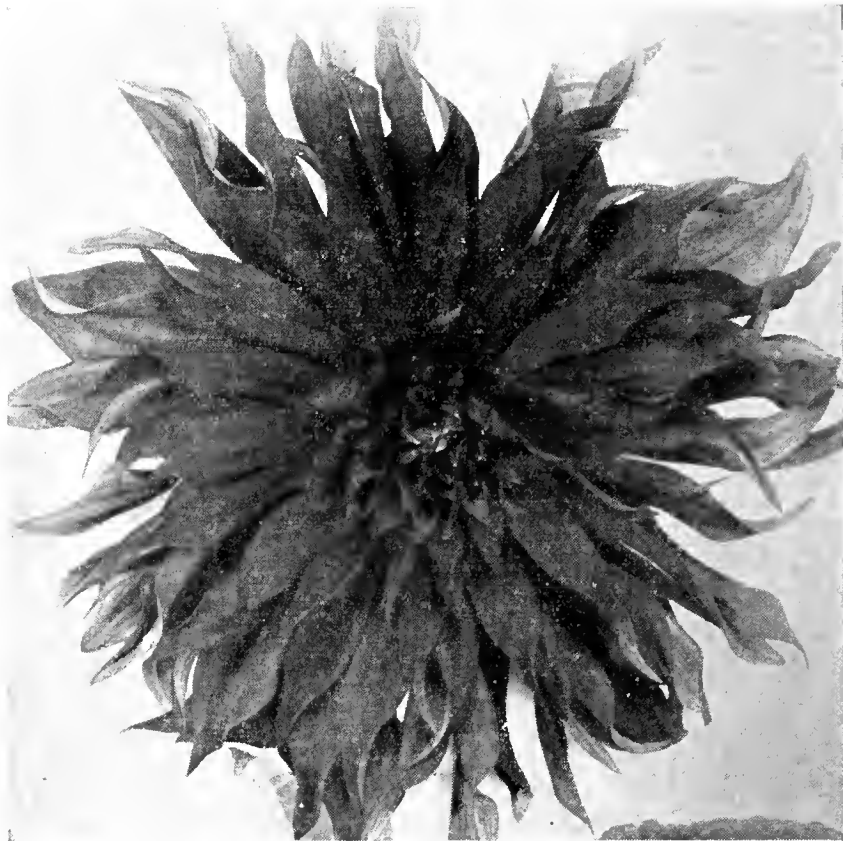
McGredy's Scarlet



Climbing Rose Primrose



Informal Decorative Dahlia



Semi-Cactus Dahlia

# Dahlias

## Prize Show Dahlias

Dahlias will grow in almost any soil but they must have good drainage. On very heavy soils add plenty of peat moss and sand well worked in. Tubers should be planted in trenches or holes 4 inches deep in heavy soil and 6 inches deep in sandy soil. Mix in a tablespoonful of bonemeal, lay the tuber flat and cover with not more than 2 inches of soil. Fill in as the plant develops. Careful attention to the pinching off of side buds will result in larger blooms. Never allow more than two or three main stems to a plant.

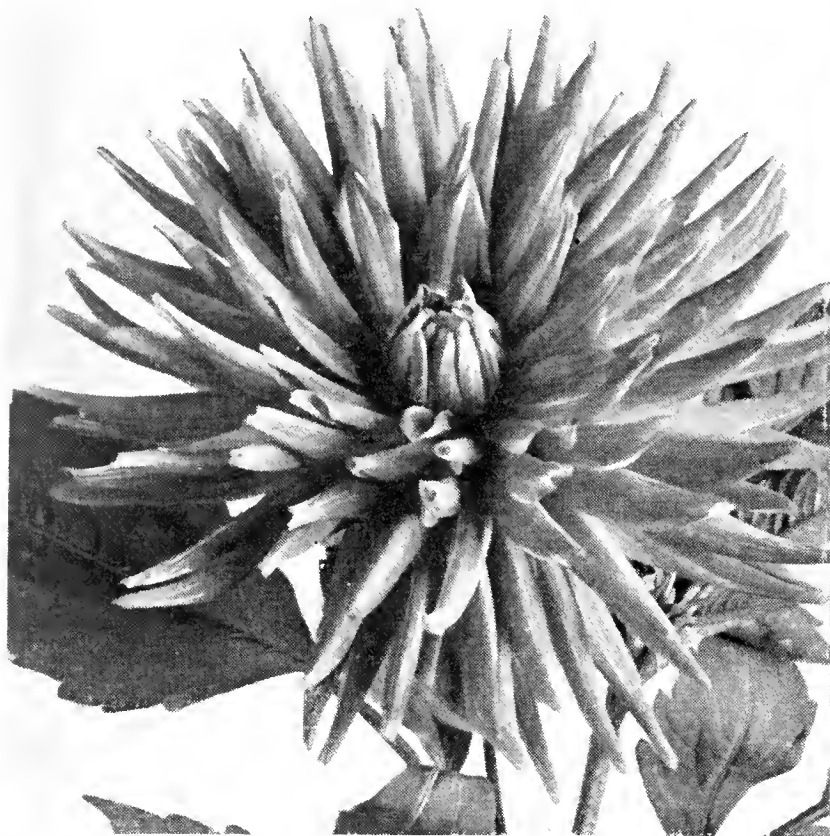
*Green Plants*—Remove moss and paper pots, soak ball of soil in water for a few minutes then plant with the top of the ball of dirt 3 inches below the surface of the soil. Soak thoroughly and shade the plant for a few days.

ID.—Informal Decorative, SC.—Semi-cactus, FD.—Formal Decorative, C.—Cactus.

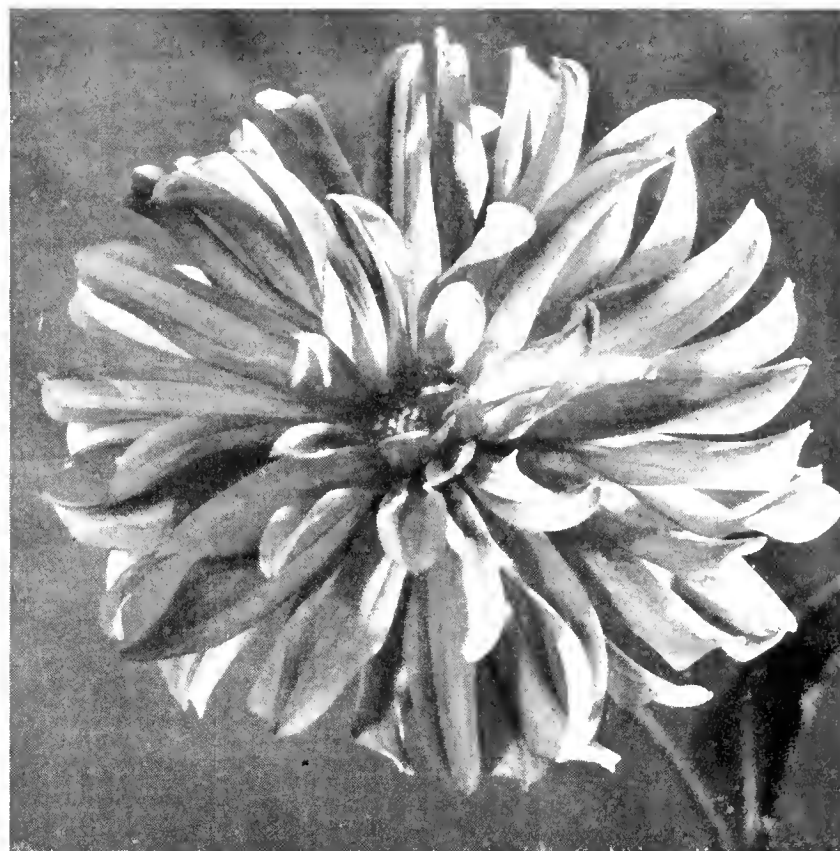
	Root	Plant
<b>Ballego's Surprise.</b> SC. The white Frau O. Bracht with all the good cutting and growing qualities of that variety. Blooms 9x5.....	\$2.00	\$1.00
<b>California Idol.</b> ID. Clear yellow with full deep centers, the blooms face upwards. Very floriferous. Blooms 12x7.....	2.50	1.00
<b>Cherokee Rose.</b> ID. Deep rose pink with a lilac cast. A Jersey Beauty seedling with all the good qualities of its parent. Blooms 9x5..	5.00	1.50
<b>Dahliadel Gold.</b> FD. Deep golden yellow suffused coral red. Bloom 11x5.....	1.50	.75
<b>Democracy.</b> FD. Deep primrose yellow shaded golden yellow. Flowers resemble huge Chrysanthemums. Blooms 9x6.....	1.50	.75
<b>Dorcas Ann.</b> SC. Beautiful rose pink shading to creamy white at center. Bloom 7x5.....	1.00	.50
<b>Golden Standard.</b> C. Warm buff, shaded amber and gold with full centers and evenly arranged petals. Bloom 9x5.....	1.50	.75

## PRIZE SHOW DAHLIAS—Continued

	Root	Plant
<b>Hunt's Velvet Wonder.</b> ID. Huge, attractive broad-petaled purple blooms with full centers. Bloom 10x6.....	\$1.50	\$0.75
<b>Lord of Autumn.</b> ID. Lemon yellow flowers of wonderful size, with long pointed, twisting petals. Bloom 12x6.....	1.50	.75
<b>Margrace.</b> ID. Bright scarlet with tan reverse A sweepstake winner in 1936. Blooms 10x5..	2.50	1.00
<b>Miss Glory.</b> SC. A soft apricot yellow with rolled petals incurved. Blooms 9x5.....	3.50	1.50
<b>Mother Maytrott.</b> ID. The beautifully arranged pure white petals form very deep flowers set on strong, erect stems. A profuse bloomer and a good grower with dark healthy foliage. Bloom 11x7.....	7.50	2.50
<b>Murphy's Masterpiece.</b> ID. Monster blooms of deep dark red shading toward crimson, held erect on stiff stems. Bloom 11x4.....	2.00	1.00
<b>Opal.</b> ID. A delightful pastel combination of soft salmon rose with lighter shadings and lemon yellow centers. Bloom 11x6.....	2.50	1.00
<b>Palo Alto.</b> ID. Clear soft apricot buff suffused coral red with uniform full centers. Bloom 10x6.....	1.00	.50
<b>Pride of America.</b> SC. Clear primrose yellow with a tinge of pink on reverse of petal. Flowers very evenly formed. Bloom 9x6.....	3.00	1.00
<b>Sultan of Hillcrest.</b> FD. Unique in form with petals recurving to the stem. Huge blooms of lemon yellow with reverse rosy pink, 11x6....	1.00	.50
<b>Television.</b> ID. Apricot suffused cardinal, giving a reddish apricot tone. The flowers show well beyond the fine foliage. Bloom 12x5....	5.00	2.00
<b>Treasure Chest.</b> SC. Beautiful, perfectly formed blooms of soft golden yellow lightly suffused coral red. Blooms 8½x6.....	2.50	1.00



Cactus Dahlia



Miniature Dahlia "Baby Royal" (Natural Size)

## Selected Decorative Dahlias

	Root	Plant
<b>Elite Sport.</b> FD. Soft buff striped and speckled crimson. Excellent growth, foliage and stems. Bloom 9x5.....	\$0.75	\$0.50
<b>Fort Monmouth.</b> ID. Rich claret with unusual brightness for such a dark tone. Bloom 11x4..	.50	.50
<b>Jane Cowl.</b> ID. Warm buff and apricot blending to old gold and rose at the center. Blooms 10x6.....	.50	.50
<b>Jersey Beauty.</b> FD. Clear pink. One of the best for cutting. Blooms 6x4.....	.50	.50
<b>Kathleen Norris.</b> ID. True rose pink deepening to mallow pink. Petals are broad. Blooms 10x5.....	.50	.50
<b>Maryland Glory.</b> FD. Perfect blooms of tyrian rose shaded carmine. Blooms 9x5.....	.75	.50
<b>Myra Howard.</b> ID. Yellow and gold with tints of salmon. Plants bloom very freely. Blooms 10x7.....	.75	.50
<b>Pot O'Gold.</b> ID. Large, brilliant clear yellow flowers with many wavy petals. Blooms 9x5..	.75	.50
<b>Robert Emmet.</b> ID. Velvety crimson red of great beauty. An exhibition variety. Blooms 10x6.....	1.00	.50
<b>Treasure Island.</b> FD. Bright apricot with gold and rose suffusion and shading. An Autumn tone. Blooms 10x5.....	.50	.50
<b>White Wonder.</b> ID. Pure white with long pointed, twisted and curled petals. Blooms 10x6.....	.75	.50
<b>W. H. T.</b> ID. A clear shade of deep rose pink with petals curving back to the stem. Blooms 9x7.....	1.00	.75

**Collection: One root each of the above 12 varieties, \$7.50**  
**One green plant each of the above 12 varieties, \$5.75**

## Miniature Dahlias

M.—Miniature, FD.—Formal Decorative, P.—Peony-flowered, Du.—Duplex.	Roots
<b>Baby Royal.</b> MP. Salmon shaded apricot.....	\$0.75
<b>Bishop of Landaff.</b> MP. Bright scarlet.....	.50
<b>Dahliadel Joy.</b> MC. Lemon yellow.....	1.00
<b>Fairy.</b> M.FD. Violet rose.....	.75
<b>Little Dream.</b> MC. Clear pink, white center.....	1.00
<b>Orchid Lady.</b> M.FD. Light lilac.....	1.00
<b>Pink Daisy.</b> M.Du. Bright rose pink, yellow center...	1.00
<b>Rose Beauty.</b> M.FD. Soft pink, suffused coral.....	1.50
<b>Collection: One root each of the above eight varieties, \$6.50</b>	

## Selected Cactus Dahlias

	Root	Plant
<b>Corallina.</b> SC. Soft crimson carmine with petal reverse tyrian rose. Bloom 10x4.....	\$1.00	\$0.50
<b>Frau O. Bracht.</b> SC. Clear light primrose yellow. One of the best. Blooms 9x4.....	1.00	.50
<b>Marianna.</b> SC. Lovely amaranth pink with silver sheen. Tall, healthy plants. Blooms 8½x3	1.00	.50
<b>Paul Pfitzer.</b> SC. A fine combination of sulphur yellow and lilac rose. Very pleasing. Blooms 8x4.....	1.00	.50
<b>Rudy Valley.</b> SC. Reddish apricot with gold center. A spectacular Dahlia. Blooms 11x6..	.75	.75
<b>Satan.</b> SC. Scarlet with yellow reverse. Tall and very striking. Should be in every collection. Blooms 10x4.....	.75	.50
<b>Star of Bethlehem.</b> SC. Pure white with many pointed petals and a high full center. Blooms 8x4.....	.75	.50

**Collection: One root each of the above 7 varieties, \$5.75**  
**One plant each of the above 7 varieties, \$3.50**

**Orders for green plants** will be shipped from April 15 to June 15

Add 25c to cover special handling postage. We cannot ship plants C.O.D.



## HANTON

Forms an invisible coating over the skin as a protection from dirt, stains, and other foreign materials. An excellent preventive for poison ivy. Prevents blistering from sun exposure, and keeps hands from becoming chapped. Price, \$1.15 per 8-oz. bottle.

## BEETLE TRAP

**Type 4**—Trap is similar in design to the trap used and recommended by the U. S. Department of Agriculture. Enamelled green and white—will last for years. Fitted with a standard screw cap for quart and 2-quart Mason jars, and with swing handle for hanging in place. Differs from other types in having two wings cross-wise at the top. This design has proven very successful in catching beetles.



Price, \$1.00 each (without Mason jar)  
—Bait, Liquid, 50c. additional.

Hang the trap in a vertical position on a stick or post near the trees or plants which are infested—but never on or under them.

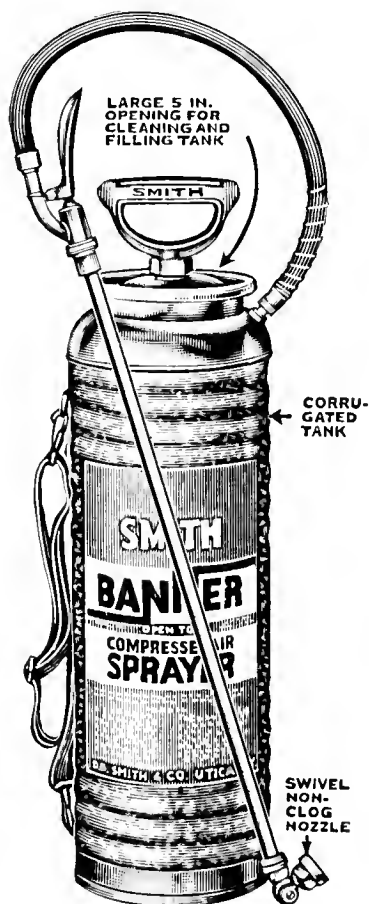
*Watch direction of wind*—For best results hang trap so that wind is blowing from the trap toward the trees or foliage to be protected.

LENGTH OVERALL — 4 FEET



## HANDY HOE

The most practical tool ever invented for the garden. Its uses are legion; to name a few: Cultivating with the point where plants are crowded; using the broad side where plants are well spaced; making a seed drill with the point and weeding drives and gutters. Price 85c.

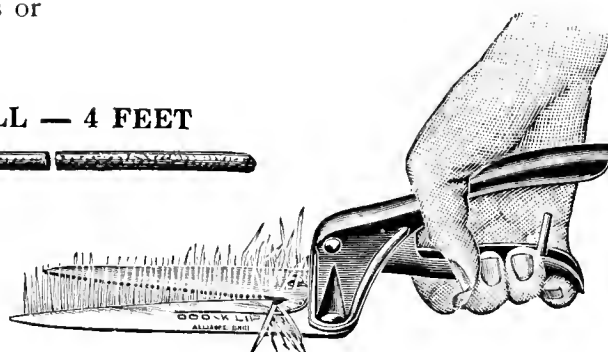


## SPRAYER, NO. 22CO

Solid copper tank with open top. Easy to fill and clean. Capacity, 4 gallons. Corrugated for extra strength and a double bottom for hard usage. Pump is heavy, seamless brass with brass air check valve. Equipped with 28 inches hose, swivel nozzle, and 2-foot brass extension rod. Shoulder strap snaps on side of tank. Price \$9.75.

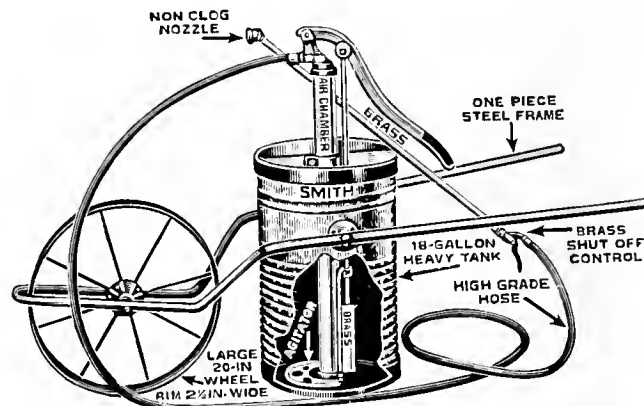
**No. 25CO**—Copper tank, 2½-gallon size.....\$9.00

**No. 25GO**—Galvanized tank, 2½-gallon size..... 5.25



## GRASS SHEAR, DOO-KLIP

Prevents blisters, skinned knuckles, and grass stained hands. The blades are made of cold rolled steel, case-hardened and rustproofed. A patented toggle action assures constant self-tension. Blades are easily removed for sharpening. Price \$1.50.



## SPRAYER NO. 60 Wheelbarrow Sprayer

A sprayer that balances well. The 20-inch steel wheel has a 2½ inch tire. The 18-gallon tank is oval-shaped to get in narrow places. The spray pump is powerful and has a large, compressed air chamber developing high pressure with easy pumping. Pressure developed to 250 lbs. at the nozzle with a capacity of 2½ gallons per minute. Furnished with 12 feet of hose, 3-foot brass extension pipe, and shut-off nozzle.

Copper tank.....\$36.50  
Galvanized tank..... 20.00  
With Silvertown balloon tire, add 10.00

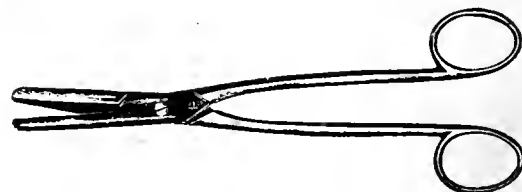
All F.O.B. Utica, N. Y.

## LAWN MOWER The Silent Yardman

**Silent**—the precision of the reel blades allows smooth, silent mowing. **Unbreakable**—steel has been substituted for cast iron. **Light**—lighter, stronger materials and corrected design have made a light weight possible. **Easy to Lubricate**—use the new automobile greases once a year.

**Efficient**—all blades and the cutting knife are oil tempered and hold their edge, giving a smooth cut with the high speed reel. The cutting reel is all one piece and will spring back into place after a severe jolt.

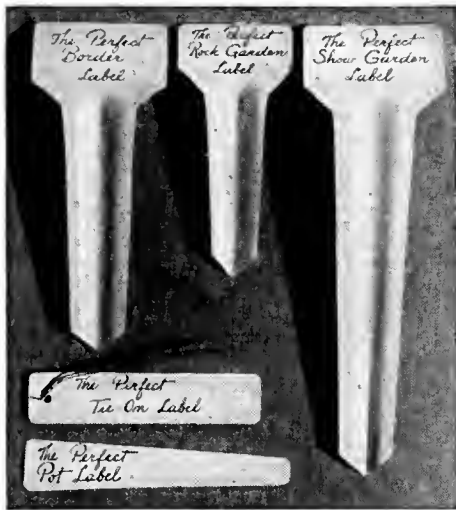
16-inch cut.....\$17.00  
18-inch cut..... 18.00  
21-inch cut..... 24.50



## FLOWER GATHERING SCISSOR, NO. 574

Stainless finish, made of the best steel, this scissor will cut and hold the flower. Length 6¾ inches. Price \$2.75.

## Implements and Accessories



### PERFECT GARDEN LABELS

Marking with an ordinary lead pencil will last several years, longer with a weatherproof pencil. Ample room for three lines of writing—the label faces upward and is easily read. Unbreakable in the garden and not too prominent. Designed so that frost will not heave them out of the soil. Pencil marking may be easily removed with an eraser. Economical because of their permanent nature.

#### Border Label (Length, 5 inches)

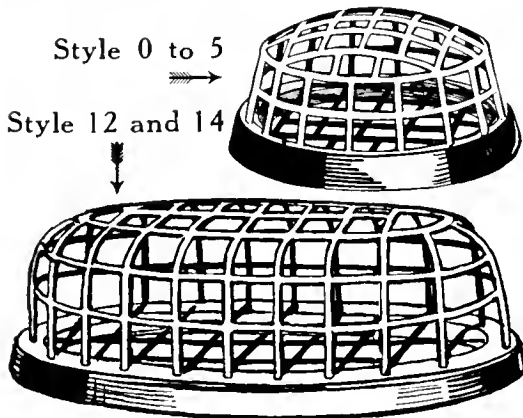
12 labels.....\$1.00  
25 labels..... 2.00  
100 labels..... 7.75

#### Rock Garden Label (Length, 4 inches)

12 labels.....\$0.90  
25 labels..... 1.75  
100 labels..... 6.75

#### Tie-on Label (Length, 3½ inches)

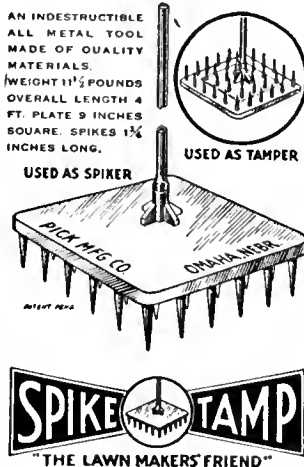
Box of 100.....\$3.00



### STANDARD DAZEY FLOWER HOLDERS

Dazey Flower Holders are scientifically engineered to give to your arrangements artistic selectivity and instant and perfect balance.

Green	Diameter	Each
G-0	7 in.	\$2.50
G-1	5¼ in.	1.25
G-2	4½ in.	1.00
G-2A	4½ in., wide mesh	1.00
G-3	3½ in.	.75
G-4	2½ in.	.50
G-5	1½ in.	.25
G-12	2¾x4¾ in.	1.00
G-14	3¾x8¼ in.	2.25



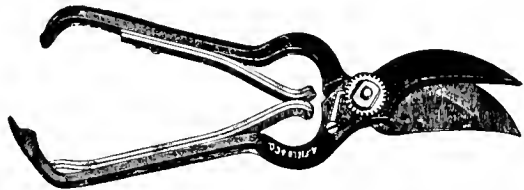
### SPIKE TAMP

A necessity where a good lawn is desired. Spiking will allow water and fertilizer to get down to the roots quickly as well as loosen the soil surface. This insures a deeper, more matted root system which will better withstand the hot, dry months. When re-seeding bad patches, spike, seed and then tamp. Price \$4.50.



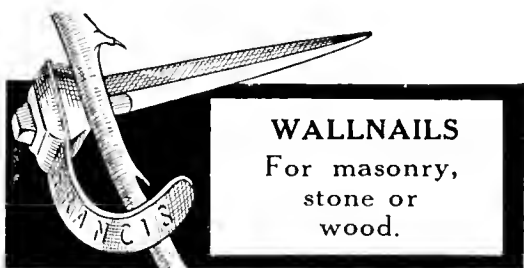
### PRUNING SHEAR, NO. 1545

A truly fine pruning shear made of best tempered steel. Both blades are cutting blades, preventing any bruising of the wood. The bottom catch folds in to safeguard your hands from pinching. Price \$5.00.



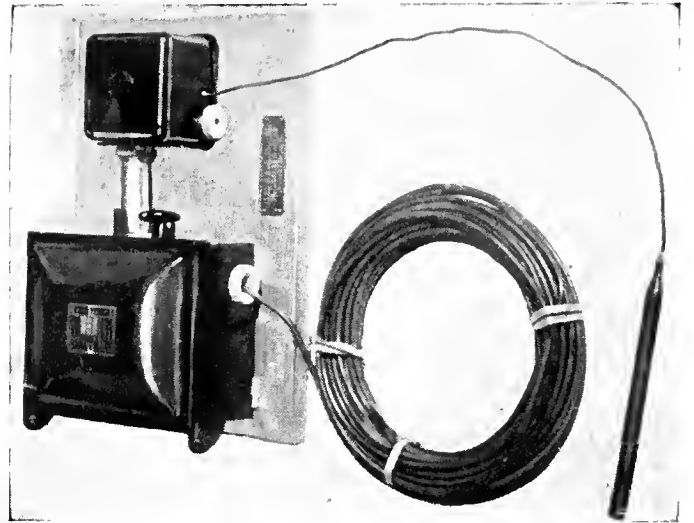
### PRUNING SHEAR, No. 534½

Tempered steel blade, ratchet adjusting nut, 8¾ inch length. American made. Price \$2.00.



### WALLNAILS (Francis Patent)

Strong mortar nails with long lead heads. The nail is driven into the wall or fence and the vine is secured with the head. Will not retard growth.  
1½ inch size—per 100.....\$3.00  
1¾ inch size—per 100..... 3.50



Kit No. 9100

### KIT NO. 9100

#### For Outdoor Hotbeds

This kit consists of a 60 ft. length of cable and a control panel on which the thermostat and fused switch-box are mounted. The control panel has sufficient capacity to handle up to eight 60-ft. lengths of cable, on 115 volts (a 16-sash frame) or eight 120-ft. lengths of cable on 230-volt circuit (a 32-sash frame). Price \$19.00 complete. Instructions are packed with each kit.

## COLDFRAMES

### Junior Frames

Each section measures 3x3 feet

Single Sash and Frame, 3x3 ft....\$10.00  
Two Sash and Frame, 3x6 ft. . . 14.00  
Three Sash and Frame, 3x9 ft. . . 19.00

### Standard Frames

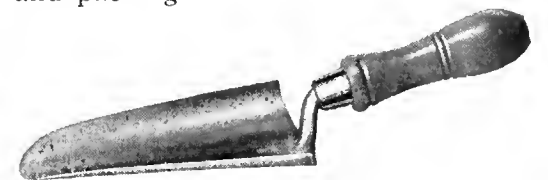
Each section measures 6x3 feet

Two Sash and Frame, 6x6 ft. . . \$27.00  
Three Sash and Frame, 6x9 ft. . . 35.00  
Four Sash and Frame, 6x12 ft. . . 46.00  
For Electric Heating Units, see above.



### STAINLESS STEEL FORK

An ideal tool for cultivating around plants. Each \$2.00. Add 15c. for post and packing.



### STAINLESS STEEL TROWELS

A real tool which stays sharp and clean. Garden size and transplanting size. Each \$2.00. Add 15c. for postage and packing.

## Insecticides and Fungicides

**ADCO.** Convert leaves, grass clippings and garden refuse into real manure within three months. Clean and odorless. Very easy to use. Full directions upon request. 25 lbs. (makes  $\frac{1}{2}$  ton manure) \$2.25, 150 lbs. \$10.50.

**ANT BAIT.** Sure death to ants, colonies killed within 24 hours. Oz. tube 35c., 3-oz. tube 85c., 8-oz. tube \$1.75.

**ARSENATE OF LEAD (LED-KO).** The colloidal arsenate of lead. An outstanding advance in scientific spray material, 1 lb. will cover 12 to 15 times the area covered by the powdered form. Approximately one-third cheaper per spray gallon; the solution stays in suspension in the spray tank, does not leave any color residue on the foliage and spreads and sticks perfectly. 1 lb. makes 200 to 300 gallons of spray. A quick, sure control for leaf eating insects such as Tent Caterpillars, Canker Worms, Japanese Beetles, and the various fruit worms. Applied to the lawn in early Spring or late Fall, Led-Ko will kill grubs of Japanese Beetles and June Beetles. Very easy to handle. Use  $1\frac{1}{2}$  lb. per 1000 sq. ft. to grub-proof your ground.

1-lb. jars. .... \$2.00  
25-lb. pails. .... \$43.75  
50-lb. pails. .... \$85.00  
100-lb. pails. .... \$165.00

**FISH OIL SOAP.** Recommended as a Summer spray for scale insects, especially on Euonymus vines. Qt. \$1.00, gal. \$3.00.

**FORMACIDE.** A formaldehyde product which does not deteriorate. Triple strength stabilized formaldehyde dust, it quickly sterilizes soil and seeds without injury. The best safeguard for control of damping-off fungus which often cuts down the seedling growth 50% to 75%. Apply  $1\frac{1}{2}$  ozs. per sq. ft. for seed bed treatment. Use 8-oz. per bushel of soil for benches, flats or potting. Lb. 75c., 5 lbs. \$2.00, 25 lbs. \$5.50, 100 lbs. \$17.00.

**LIME-SULPHUR CONCENTRATE.** A very effective dormant spray. Controls scale and other bark insects. Gal. \$1.25, 5 gals. \$4.00.

**PARADICHLOROBENZINE.** Forms a gas which is very effective in control of moles, field mice, and chipmunks. One teaspoonful every 15 ft. in the moles run will suffice. Gloves should be worn to prevent leaving any warning flesh odor for the rodent. Also controls Peach Tree Borer when applied in late Fall. Lb. can 50c. Add 15c. for postage and packing.

**RED ARROW.** Kills many varieties of both sucking and chewing insects found in the garden on shrubs and trees. A highly concentrated pyrethrum extract containing soap, it is only necessary to dilute with water as directed. Non-poisonous and will not harm the foliage. 4 ozs. \$1.00, pt. \$2.70, qt. \$4.00. Postage extra.

**TREE TANGLEFOOT.** A protection against insects which crawl. This material should be applied on balsam wool tree bands for best results. Lb. 75c., 5 lbs. \$3.00, 10 lbs. \$5.75.

**BALSAM WOOL TREE BANDS.** The woolly material under the paper prevents insects from passing under the tanglefoot. 50-ft. rolls 3 in. wide, \$1.25 each, 10 rolls \$10.00.

**TROL-X.** A very effective non-poisonous remedy for Red Spider, Mealy Bug, Bean Beetle, Aphis, etc. Contains pyrethrum and rotenone with a penetrating oil. Makes 200 to 400 times its own volume of spray, and in many cases also kills insect egg, thereby preventing continued infestation. 6 oz. size, \$1.00; 16 oz. size, \$2.00; 1 gal. \$11.00.

## MAGNETIC-SPRAY WETTABLE SULPHUR



The purest, effective, wettable sulphur obtainable. A specially refined sulphur possessing superior adhesive properties and containing not more than 1.5 per cent wetting agent. It mixes easily with water and its extremely fine particles remain in suspension longer and spread into a fine mist completely covering the foliage.

**"MAGNETIC-SPRAY" SULPHUR** controls mildew, black spot, rust, scab, leafspot and other fungous diseases. Sulphur also acts as an insecticide controlling mites, flea hoppers, thrips and red spider. 4-lb. bags 75c.

## DOUBLE-DUTY DUST



**"MAGNETIC" ROTE-NONE-SULPHUR DUST** is a combination insecticide and fungicide. Rotenone, a powerful insecticide, is here combined with Sulphur, the most widely used agricultural fungicide. Recommended for the control of Mexican bean beetle, bean leaf roller, cabbage worm, false cabbage worm, harlequin cabbage bug, pea aphid, red spider, thrips, aphid (plant lice), imported currant worm, webworm, squash vine borer, melon and pickle worm and other leaf eating insects. Also for the following fungi: leaf spot, powdery mildew, rust, anthracnose, blackspot and brown canker. 4-lb. bags \$1.00.

## TRIPLE-ACTION KILLER



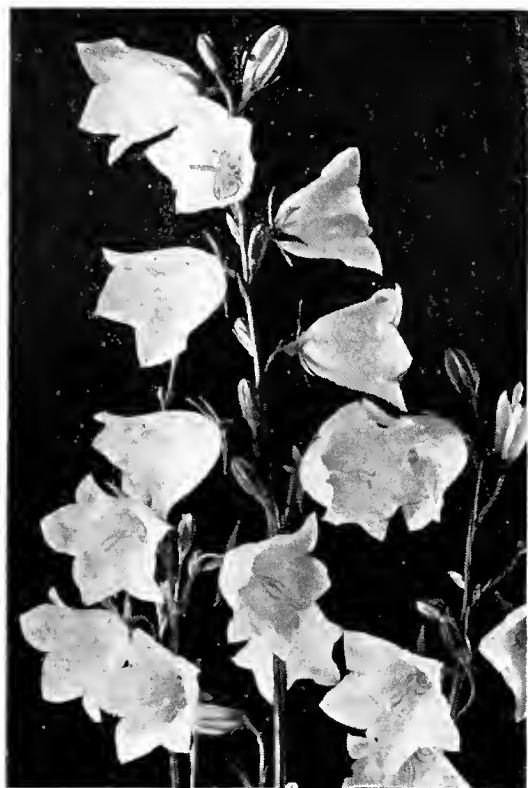
**"MAGNETIC" GARDEN DUST OR SPRAY** is an all-purpose combination that will control many important pests and fungous growths encountered in the cultivation of garden crops, flowers, shrubs and evergreens. It is triple-action because it contains Rotenone, Nicotine and Sulphur. Compounded in the proper proportions to control chewing insects, sucking insects and fungi.

### Simple to Use

Can be used in ordinary hand duster without further preparation, or, as a spray by adding to water at rate of  $\frac{1}{4}$  lb. per gallon. Lb. 75c., 5 lbs. \$3.50.

# Unusual Plants

## OF STARTLING INTEREST FOR TODAY'S GARDEN



Campanula Persicifolia



Tall Bearded Iris

**CYTISUS ANDREANUS HYBRID. Scotch Broom.** Of the many varieties tried in this country, we offer three which have withstood temperatures to 20 deg. below zero. Plants grow very slowly, attaining a height of 5 to 6 feet when they are five years old. Excellent and unique material for background plantings, hedges, and mass planting in open vistas. These plants grow best in a well drained soil in full sunlight. *We offer young plants in 3½-in. pots which will bloom within two years.* **Orange, Mahogany, Mahogany and Cream.** Each \$1.00, \$90.00 per 100.

**DAPHNE CNEORUM. Garlandflower.** This little shrub has become established in this country as one of the most distinguished of growing plants. It has charm, it has a fullness of fragrance, it has a personality in its compact foliage habit which remains comely through the Winter. And its bounty of color is not limited alone to Spring, but returns again in rich abundance at the end of Summer. If you do not already know Daphne, certainly some day you will know her for she comes to you from the far ends of the garden with a spicy welcome which is unmistakable. **Each: 8-9 in., 75c.; 8-10 in., \$1.00; 10-12 in., \$1.50; 12-15 in., \$1.75.**

**DELPHINIUM PACIFIC GIANTS.** These plants have been raised from hand-pollinated seed. Individual florets measure 3 to 3½ inches across. This strain is recognized as being the finest yet produced from carefully selected parents. The colors in this mixture are very clear and clean. Plants are ready for delivery April 15th from 3½-in. pots, and seedling bloom may be expected in late July. **Each 85c., \$8.50 per doz.**

**DIGITALIS DUBIA.** Here is a recent novelty which may be used either in the rock garden or in the perennial border. A hardy perennial, it grows only 18 inches high, with soft pink bells carried on spikes over gray woolly leaves blooming from Midsummer on. *Offered in field grown plants.* **\$2.00 for 3, \$6.50 per doz.**

**AETHIONEMA WARLEY ROSE.** This charming plant deserves a place in every garden. It has the appearance of a dwarf dense Spruce. The deep rose blooms are formed in heads closely resembling Daphne blooms. The plants spread to about 12 in. and are commonly called the miniature pink Candytuft. Very hardy. **\$1.50 for 3, \$3.50 per doz.**

**ANAGALLIS LINIFOLIA.** This is a tender perennial which is so full of blooms for such a long period of time that it is well worth a place in the rockery or in the foreground of the perennial border. Prostrate, the plants form dense mats, blooming profusely from early in May through October with hundreds of vivid terra cotta orange blooms. Hardy south of Philadelphia, it may be wintered over in coldframes in the North. **\$1.50 for 3, \$5.00 per doz.**

### OUTSTANDING TALL BEARDED IRIS FOR THE GARDEN.

**Easter Morn.** A creamy large white with a rich golden center on giant stalks. The flowers are slightly fragrant and the foliage is broad, sword-like and vivid green. An outstanding white. **Each \$1.25, 5 for \$5.75.**

**Depute Nomblot.** One of the world's greatest Irises. The standards are purple maroon overlaid bronze; the falls are wide, spreading, and purplish-garnet red, shading to rosy bronze at the edge with a deep orange beard. A Dykes Medal winner, this grows over 4 feet tall. **Each \$1.00, 5 for \$4.75.**

**Mary Geddes.** One of the finest of American introductions and probably the most distinct Iris yet introduced. Light salmon, overlaid pompeian red. This variety won the Dykes Medal in 1936. It often shows 4-way branching habit. **Each \$1.75, 5 for \$8.00.**

**CHRYSANTHEMUM DOUBLE WHITE SWAN.** Undoubtedly the most prolific as well as one of the loveliest of the entire Chrysanthemum group. Like the Shasta Daisy they begin blooming in June and continue until heavy frost. The flowers are very large, of the purest white, and closely resemble double Pyrethrums. The foliage is fine and featherlike. This plant will give you constant joy in the border throughout the entire season. **\$1.75 for 3, \$5.00 per doz.**

**CAMPANULA PERSICIFOLIA.** For a constant profusion of bloom during June and July we can recommend nothing finer than the double peach-bell Campanula. Two outstanding varieties growing about 3 feet high with large, full double flowers are offered.

**Pfitzeri.** Double blue. **Moerheimi.** Double pure white.  
**\$2.00 per 3, \$6.00 per doz.**

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## *Lilium Formosanum*

Large, graceful, delicately fragrant white trumpets in clusters of five to twenty flowers carried on strong stalks five to six feet tall. Individual trumpets are extremely large, often measuring eight to nine inches across and seven to nine inches deep. This Lily will bloom through September and part of October, enhancing your garden when most things are past bloom. Plant in a sunny place with a ground cover of some low annual, placing the bulbs six inches deep.

**\$3.50 per doz., \$25.00 per 100**



## *Buddleia Hartwegi*

An unsurpassed variety of the popular summer-flowering Butterfly bush. The flower spikes are very long and well filled with large, bright lavender panicles of remarkable substance. The foliage is sturdy and dark green. The bushes grow three to four feet tall and are covered with flowers from Midsummer to late Fall. This variety may be used as a cut flower with stems two to three feet long. It will last many days in water. Strong pot plants ready May 1st.

**75c. each, 6 for \$4.00**



## HYBRID TEA ROSE

### *R. M. S. Queen Mary*

A color quite distinct from anything yet seen in Roses—a rich, glowing blending of salmon and pink with an orange base. The buds are long and pointed, the flowers are large and beautifully formed, holding their petals a long time after fully opening. The blooms are full, freely produced, and delicately perfumed. Among the many awards this Rose has received are the following: Sept. 1935—Gold Medal by Dutch Rose Society. March 9th, 1937—Gold Medal Philadelphia Flower Show. March 15th, 1937—Gold Medal New York Flower Show.

**Dormant plants to April 15th, \$2.00 each, \$20.00 per doz.  
Pot grown plants, ready May 1st, \$2.50 each, \$25.00 per doz.**

**OTHER UNUSUAL PLANTS WILL BE FOUND ON PAGE 63**



## RUSSELL LUPINS

(Perennial)

The highest possible R. H. S. award, the Gold Medal, was never more richly deserved than when won by this strain in June, 1937. It is the outstanding plant, being offered from seed in 1938. You will be thrilled with the marvelous colorings and rich exotic blendings in scores of shades and colors. Other outstanding features are the length and symmetry of the spikes, the bold, closely placed florets, the wide, fanlike back standards and large keels, and the fact that the spikes hold their florets from top to bottom during development. Added to all these outstanding points is the fact that 3 per cent will come in a dwarf strain. When these dwarfs are fixed, Lupins will replace Delphiniums for popularity in this country. Never plant Lupins in newly manured ground and only transplant Lupins in the Spring. Seed offered in mixed colors. (*Originator's stock.*)

Large pkt. \$1.00, 6 pkts. for \$5.00

Plants in 3½-in. pots for bloom in late July, Each \$1.00; doz. \$10.00; 100, \$70.00.

